



# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 126183**

**TO: Roy Teller**  
**Location: REM/3D18/3C18**  
**Art Unit: 1654**

*July 7, 2004*

**Case Serial Number: 09/943084**

**From: P. Sheppard**  
**Location: Remsen Building**  
**Phone: (571) 272-2529**

**sheppard@uspto.gov**

### **Search Notes**

STIC-Biotech/ChemLib

126183

From: Unknown@Unknown.com  
Sent: Thursday, July 01, 2004 10:53 AM  
To: STIC-Biotech/ChemLib  
Subject: Generic form response

ResponseHeader=Commercial Database Search Request

AccessDB#= \_\_\_\_\_

LogNumber= \_\_\_\_\_

Searcher= \_\_\_\_\_

SearcherPhone= \_\_\_\_\_

SearcherBranch= \_\_\_\_\_

MyDate=Thu Jul 1 10:53:29 EDT 2004

submitto=Biotech01@uspto.gov

Name=Roy Teller

Empno=79445

Phone=571-272-0971

Artunit=1654

Office=REM-3D18

Serialnum=09943084

PatClass=514/12

Earliest=4/7/93

Format1=paper

Searchtopic= Please do an interference search of SEQ ID NO: 1, 2, 3, 4, 5, 6, and 7. Thank you.

Comments=

send=SEND

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STIC-Biotech/ChemLib  
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Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:21:27 ; Search time 18.0435 Seconds  
(without alignments)  
100.142 Million cell updates/sec

Title: US-09-943-084-1

Perfect score: 178  
Sequence: 1 ?FERHAGFTSDVSSYLEGQAKEFLAWLVKGRG 35

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/2/iaa/5A\_COMB.pep:\*  
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3: /cgn2\_6/prodata/2/iaa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/iaa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/iaa/6CTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
|------------|-------|-------------|--------|----|-------------------|
| 1          | 177   | 99.4        | 37     | 1  | US-08-095-162-19  |
| 2          | 177   | 99.4        | 37     | 1  | US-08-470-220A-19 |
| 3          | 177   | 99.4        | 37     | 3  | US-08-967-374-19  |
| 4          | 177   | 99.4        | 37     | 3  | US-09-302-596-1   |
| 5          | 177   | 99.4        | 37     | 3  | US-08-472-349-1   |
| 6          | 177   | 99.4        | 37     | 4  | US-09-623-618B-1  |
| 7          | 177   | 99.4        | 37     | 4  | US-09-333-415-1   |
| 8          | 177   | 99.4        | 37     | 4  | US-09-505-991-19  |
| 9          | 177   | 99.4        | 37     | 4  | US-09-303-016-1   |
| 10         | 177   | 99.4        | 37     | 4  | US-09-657-332A-1  |
| 11         | 177   | 99.4        | 37     | 4  | US-09-805-507-1   |
| 12         | 177   | 99.4        | 37     | 4  | US-09-876-388-1   |
| 13         | 177   | 99.4        | 180    | 3  | US-08-784-582-56  |
| 14         | 177   | 99.4        | 180    | 3  | US-08-784-582-58  |
| 15         | 177   | 99.4        | 180    | 3  | US-08-784-582-61  |
| 16         | 177   | 99.4        | 360    | 3  | US-08-784-582-73  |
| 17         | 174   | 97.8        | 38     | 3  | US-09-258-750-82  |
| 18         | 174   | 97.8        | 38     | 3  | US-09-258-750-83  |
| 19         | 174   | 97.8        | 38     | 4  | US-09-398-111-82  |
| 20         | 174   | 97.8        | 38     | 4  | US-09-398-111-83  |
| 21         | 174   | 97.8        | 39     | 3  | US-09-258-750-89  |
| 22         | 174   | 97.8        | 39     | 3  | US-09-258-750-90  |
| 23         | 174   | 97.8        | 39     | 4  | US-09-398-111-89  |
| 24         | 174   | 97.8        | 39     | 4  | US-09-398-111-90  |
| 25         | 171   | 96.1        | 34     | 4  | US-09-212-663-25  |
| 26         | 171   | 96.1        | 35     | 3  | US-09-258-750-58  |
| 27         | 171   | 96.1        | 35     | 4  | US-09-398-111-58  |

28 171 96.1 36 1 US-08-095-162-19 Sequence 15, Appl  
29 171 96.1 36 1 US-08-470-220A-15 Sequence 15, Appl  
30 171 96.1 36 2 US-08-808-825-9 Sequence 9, Appl  
31 171 96.1 36 2 US-08-899-324-1 Sequence 1, Appl  
32 171 96.1 36 3 US-08-967-374-15 Sequence 15, Appl  
33 171 96.1 36 3 US-08-323-832B-1 Sequence 1, Appl  
34 171 96.1 36 3 US-09-258-750-50 Sequence 50, Appl  
35 171 96.1 36 3 US-09-258-750-59 Sequence 59, Appl  
36 171 96.1 36 3 US-09-302-596-2 Sequence 2, Appl  
37 171 96.1 36 3 US-08-472-349-6 Sequence 6, Appl  
38 171 96.1 36 4 US-09-333-415-2 Sequence 2, Appl  
39 171 96.1 36 4 US-09-505-991-15 Sequence 15, Appl  
40 171 96.1 36 4 US-09-303-016-2 Sequence 2, Appl  
41 171 96.1 36 4 US-09-398-111-50 Sequence 50, Appl  
42 171 96.1 36 4 US-09-398-111-59 Sequence 59, Appl  
43 171 96.1 36 4 US-09-805-507-2 Sequence 2, Appl  
44 171 96.1 36 5 PCT-US95-15800-24 Sequence 24, Appl  
45 171 96.1 37 2 US-08-807-263-2 Sequence 2, Appl

#### ALIGNMENTS

RESULT 1  
US-08-095-162-19  
; Sequence 19, Application US/08095162  
; Patent No. 5512459  
; GENERAL INFORMATION:  
; APPLICANT: Wagner, Fred W.  
; APPLICANT: Stout, Jay  
; APPLICANT: Henriksen, Dennis  
; APPLICANT: Partridge, Bruce  
; APPLICANT: Manning, Shane  
; TITLE OF INVENTION: Enzymatic Method for Modification of  
; TITLE OF INVENTION: Recombinant Polypeptides  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Merchant & Gould  
; STREET: 3100 No. 5512459west Center  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA: US/08/095.162  
; FILING DATE: 20-JUL-1993  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Nelson, Albin J.  
; REGISTRATION NUMBER: 28,659  
; REFERENCE/DOCKET NUMBER: 8648.32-US01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-332-5300  
; TELEFAX: 612-332-9081  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 37 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; IMMEDIATE SOURCE:  
; CLONE: GLP1 (1-37)  
US-08-095-162-19

Query Match 99.4%; Score 177; DB 1; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FERHABGTFTSDVSSYLEGQAQKEFIANLVKGRG 37

RESULT 2
US-08-470-220A-19
; Sequence 19, Application US/08470220CA
; Patent No. 5707826
; GENERAL INFORMATION:
; APPLICANT: Wagner, Fred W.
; APPLICANT: Stout, Jay
; APPLICANT: Henriksen, Dennis
; APPLICANT: Partridge, Bruce
; APPLICANT: Manning, Shane
; TITLE OF INVENTION: Enzymatic Method for Modification of
; TITLE OF INVENTION: Recombinant Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 3100 No. 5707826west Center
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,220A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/095,162
; FILING DATE: 20-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Nelson, Albin J.
; REGISTRATION NUMBER: 28,659
; REFERENCE/DOCKET NUMBER: 8648.32-US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-332-5300
; TELEFAX: 612-332-9081
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; CLONE: GLP1 (1-37)
; US-08-470-220A-19
; Query Match 99.4%; Score 177; DB 1; Length 37
; Best Local Similarity 100.0%; Pred. No. 2.9e-18;
; Matches 34; Conservative 0; Mismatches 0; Indels 0

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Db 4 FERHABGTFTSDVSSYLEGQAQKEFIANLVKGRG 37

RESULT 3
US-08-967-374-19
; Sequence 19, Application US/08967374
; Patent No. 6037143
; GENERAL INFORMATION:
; APPLICANT: Wagner, Fred W.
; APPLICANT: Stout, Jay
; APPLICANT: Henriksen, Dennis
; APPLICANT: Partridge, Bruce
; APPLICANT: Manning, Shane
; TITLE OF INVENTION: Enzymatic Method for Modification of
; TITLE OF INVENTION: Recombinant Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 3100 No. 5707826west Center
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,220A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/095,162
; FILING DATE: 20-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Nelson, Albin J.
; REGISTRATION NUMBER: 28,659
; REFERENCE/DOCKET NUMBER: 8648.32-US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-332-5300
; TELEFAX: 612-332-9081
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; CLONE: GLP1 (1-37)
; US-08-470-220A-19
; Query Match 99.4%; Score 177; DB 1; Length 37
; Best Local Similarity 100.0%; Pred. No. 2.9e-18;
; Matches 34; Conservative 0; Mismatches 0; Indels 0

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Db 4 FERHABGTFTSDVSSYLEGQAQKEFIANLVKGRG 37

RESULT 3
US-08-967-374-19
; Sequence 19, Application US/08967374
; Patent No. 6037143
; GENERAL INFORMATION:
; APPLICANT: Wagner, Fred W.
; APPLICANT: Stout, Jay
; APPLICANT: Henriksen, Dennis
; APPLICANT: Partridge, Bruce
; APPLICANT: Manning, Shane
; TITLE OF INVENTION: Enzymatic Method for Modification of
; TITLE OF INVENTION: Recombinant Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 3100 No. 5707826west Center
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,220A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/095,162
; FILING DATE: 20-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Nelson, Albin J.
; REGISTRATION NUMBER: 28,659
; REFERENCE/DOCKET NUMBER: 8648.32-US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-332-5300
; TELEFAX: 612-332-9081
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; CLONE: GLP1 (1-37)
; US-08-470-220A-19
; Query Match 99.4%; Score 177; DB 1; Length 37
; Best Local Similarity 100.0%; Pred. No. 2.9e-18;
; Matches 34; Conservative 0; Mismatches 0; Indels 0

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Db 4 PERHAEGTFTSDVSSYLEGQAQKEFIAMLVKGRG 37  
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RESULT 5  
US-08-472-349-1  
; Sequence 1, Application US/08472349  
; Patent No. 6284727  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; APPLICANT: Lambert, William J.  
; APPLICANT: Qi, Hong  
; APPLICANT: Gelfand, Robert A.  
; APPLICANT: Geoghegan, Kieran P.  
; APPLICANT: Danley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION NUMBER: US/08/472,349  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181,655  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sheyka, Robert P.  
; REGISTRATION NUMBER: 31,304  
; REFERENCE/DOCKET NUMBER: PC8391  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)573-1189  
; TELEFAX: (212)573-1939  
; TELEX: N/A  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 37 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: N-terminal  
; ORIGINAL SOURCE:  
; ORGANISM: N/A  
; STRAIN: N/A  
; INDIVIDUAL ISOLATE: N/A  
; HAPLOTYPE: N/A  
; CELL LINE: N/A  
; IMMEDIATE SOURCE:  
; LIBRARY: N/A  
; CLONE: N/A  
; POSITION IN GENOME:  
; CHROMOSOME/SEGMENT: N/A  
; MAP POSITION: N/A  
; UNITS: N/A  
US-08-472-349-1

Query Match 99.4%; Score 177; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 4 PERHAEGTFTSDVSSYLEGQAQKEFIAMLVKGRG 37  
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RESULT 6  
US-09-623-618B-1  
; Sequence 1, Application US/09623618B  
; Patent No. 6329336  
; GENERAL INFORMATION:  
; APPLICANT: Bridon, Dominique P.  
; APPLICANT: L'Archeveque, Benoit  
; APPLICANT: Ezrin, Alan M.  
; APPLICANT: Holmes, Darren L.  
; APPLICANT: Leblanc, Anouk  
; APPLICANT: St. Pierre, Serge  
; TITLE OF INVENTION: LONG LASTING INSULINOTROPIC PEPTIDES  
; FILE REFERENCE: 500862001620  
; CURRENT APPLICATION NUMBER: US/09/623,618B  
; PRIOR FILING DATE: 2000-09-05  
; PRIOR APPLICATION NUMBER: PCT/US00/13563  
; PRIOR FILING DATE: 2000-05-17  
; PRIOR APPLICATION NUMBER: 60/159,783  
; PRIOR FILING DATE: 1999-10-15  
; PRIOR APPLICATION NUMBER: 60/134,406  
; PRIOR FILING DATE: 1999-05-17  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PPT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-09-623-618B-1

Query Match 99.4%; Score 177; DB 4; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|||||  
Db 4 PERHAEGTFTSDVSSYLEGQAQKEFIAMLVKGRG 37  
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RESULT 7  
US-09-333-415-1  
; Sequence 1, Application US/09333415  
; Patent No. 6344180  
; GENERAL INFORMATION:  
; APPLICANT: Holst, Jens J.  
; APPLICANT: Vilsbøll, Tina  
; TITLE OF INVENTION: GLP-1 as a Diagnostic Test to Determine Beta-Cell  
; TITLE OF INVENTION: Function and the Presence of the Condition of IGT and  
; TITLE OF INVENTION: Type-II Diabetes  
; FILE REFERENCE: P03987050  
; CURRENT APPLICATION NUMBER: US/09/333,415  
; CURRENT FILING DATE: 1999-06-15  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PPT  
; ORGANISM: Homo sapiens  
US-09-333-415-1

Query Match 99.4%; Score 177; DB 4; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35  
Db 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

RESULT 8  
US-09-505-991-19  
; Sequence 19, Application US/09505991  
; Patent No. 6403361  
; GENERAL INFORMATION:  
; APPLICANT: Wagner, Fred W.  
; Stout, Jay  
; Henriksen, Dennis  
; Partridge, Bruce  
; Manning, Shane  
; TITLE OF INVENTION: Enzymatic Method for Modification of  
; Recombinant Polypeptides  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merchant & Gould  
; STREET: 3100 No. 6403361west Center  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/505,991  
; FILING DATE: 17-Feb-2000  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/520,485  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Carter, Charles G.  
; REGISTRATION NUMBER: 35,093  
; REFERENCE/DOCKET NUMBER: 8648.32-USDI  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-332-5300  
; TELEFAX: 612-332-9081  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 37 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; IMMEDIATE SOURCE:  
; CLONE: GLP1 (1-37)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
US-09-505-991-19

Query Match 99.4%; Score 177; DB 4; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

RESULT 9  
US-09-303-016-1  
; Sequence 1, Application US/09303016  
; Patent No. 6429197  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Ehlers, Mario R.W.  
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 or its Biologically  
; TITLE OF INVENTION: Active Analogues to Improve the Function of the

; TITLE OF INVENTION: Ischemic and Reperused Brain  
; FILE REFERENCE: PQ3660US2  
; CURRENT APPLICATION NUMBER: US/09/303,016  
; CURRENT FILING DATE: 1999-04-30  
; PRIOR APPLICATION NUMBER: 60/103,498  
; PRIOR FILING DATE: 1998-10-08  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-303-016-1

Query Match 99.4%; Score 177; DB 4; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35  
Db 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

RESULT 10  
US-09-657-332A-1  
; Sequence 1, Application US/09657332A  
; Patent No. 6514500  
; GENERAL INFORMATION:  
; APPLICANT: Bridon, Dominique P.  
; APPLICANT: L'Archeveque, Benoit  
; APPLICANT: Ezrin, Alan M.  
; APPLICANT: Holmes, Darren L.  
; APPLICANT: Leblanc, Anouk  
; APPLICANT: St. Pierre, Serge  
; TITLE OF INVENTION: LONG LASTING SYNTHETIC GLUCAGON LIKE PEPTIDE (GLP-1)  
; FILE REFERENCE: 500862001600  
; CURRENT APPLICATION NUMBER: US/09/657,332A  
; CURRENT FILING DATE: 2001-09-10  
; PRIOR APPLICATION NUMBER: 60/159,783  
; PRIOR FILING DATE: 1999-10-15  
; PRIOR APPLICATION NUMBER: 60/134,406  
; PRIOR FILING DATE: 1999-05-17  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: Patent in Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-09-657-332A-1

Query Match 99.4%; Score 177; DB 4; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35  
Db 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

RESULT 11  
US-09-805-507-1  
; Sequence 1, Application US/09805507  
; Patent No. 6579851  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/805,507  
; CURRENT FILING DATE: 2001-03-14

;; PRIOR APPLICATION NUMBER: 09/859,804  
;; PRIOR FILING DATE: 2001-05-18  
;; NUMBER OF SEQ ID NOS: 13  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 1  
;; LENGTH: 37  
;; TYPE: PRT  
;; ORGANISM: Unknown Organism  
;; FEATURE:  
;; OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP  
;; OTHER INFORMATION: Peptide  
US-09-805-507-1

Query Match 99.4%; Score 177; DB 4; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35  
Db 4 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 37

## RESULT 12

US-09-876-388-1

; Sequence 1, Application US/09876388

; Patent No. 6593295

; GENERAL INFORMATION:

; APPLICANT: Bridon, Dominique P.

; APPLICANT: L'Archeveque, Benoit

; APPLICANT: Ezkin, Alan M.

; APPLICANT: Holmes, Darren L.

; APPLICANT: Leblanc, Anouk

; APPLICANT: St. Pierre, Serge

; TITLE OF INVENTION: LONG LASTING INSULINOTROPIC PEPTIDES

; FILE REFERENCE: 500862001610

; CURRENT APPLICATION NUMBER: US/09/876,388

; CURRENT FILING DATE: 2001-09-24

; PRIOR APPLICATION NUMBER: 09/623,618

; PRIOR FILING DATE: 2000-09-05

; PRIOR APPLICATION NUMBER: PCT/US00/13563

; PRIOR FILING DATE: 2000-05-17

; PRIOR APPLICATION NUMBER: 60/159,783

; PRIOR FILING DATE: 1999-10-15

; PRIOR APPLICATION NUMBER: 60/134,405

; PRIOR FILING DATE: 1999-05-17

; NUMBER OF SEQ ID NOS: 35

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 37

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: Peptide

US-09-876-388-1

Query Match 99.4%; Score 177; DB 4; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.9e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35  
Db 4 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 37

## RESULT 13

US-08-784-582-56

; Sequence 56, Application US/08784582

; Patent No. 6110707

; GENERAL INFORMATION:

; APPLICANT: Newgard, Christopher B.

; APPLICANT: Halban, Philippe A.

; APPLICANT: No. 6110707mington, Karl D.

;; APPLICANT: Clark, Samuel A.  
;; APPLICANT: Thigpen, Anice E.  
;; APPLICANT: Quaade, Christian  
;; APPLICANT: Kruse, Fred  
;; APPLICANT: McGarry, Dennis  
;; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF PROTEINS FROM  
;; TITLE OF INVENTION: SECRETORY CELL LINES  
;; NUMBER OF SEQUENCES: 79  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Arnold, White & Durkee  
;; STREET: P.O. Box 4433  
;; CITY: Houston  
;; STATE: Texas  
;; COUNTRY: USA  
;; ZIP: 77210  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA: US/08/784,582  
;; APPLICATION NUMBER: US 60/028,427  
;; FILING DATE: 15-OCT-1996  
;; PRIOR APPLICATION DATA: US 08/589,028  
;; APPLICATION NUMBER: US 08/589,028  
;; FILING DATE: 19-JAN-1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Highlander, Steven L.  
;; REGISTRATION NUMBER: 37,642  
;; REFERENCE/DOCKET NUMBER: UTSD:514  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 512/418-3000  
;; TELEFAX: 512/474-7577  
;; INFORMATION FOR SEQ ID NO: 56:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 180 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS:  
;; TOPOLOGY: linear  
;; US-08-784-582-56

Query Match 99.4%; Score 177; DB 3; Length 180;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35  
Db 95 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 128

## RESULT 14

US-08-784-582-58

; Sequence 58, Application US/08784582

; Patent No. 6110707

; GENERAL INFORMATION:

; APPLICANT: Newgard, Christopher B.

; APPLICANT: Halban, Philippe A.

; APPLICANT: No. 6110707mington, Karl D.

; APPLICANT: Clark, Samuel A.

; APPLICANT: Thigpen, Anice E.

; APPLICANT: Quaade, Christian

; APPLICANT: Kruse, Fred

; APPLICANT: McGarry, Dennis

; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF PROTEINS FROM

; TITLE OF INVENTION: SECRETORY CELL LINES

; NUMBER OF SEQUENCES: 79

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Arnold, White &amp; Durkee

; STREET: P.O. Box 4433

CITY: Houston  
STATE: Texas  
COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/784,582  
FILING DATE: Concurrently Herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/028,427  
FILING DATE: 15-OCT-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/589,028  
FILING DATE: 19-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Highlander, Steven L.  
REGISTRATION NUMBER: 37,642  
REFERENCE/DOCKET NUMBER: UTSD:514  
TELEPHONE: 512/418-3000  
TELEFAX: 512/474-7577  
INFORMATION FOR SEQ ID NO: 58:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 180 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-784-582-58

Query Match 99.4%; Score 177; DB 3; Length 180;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FERHAGTFTSDVSSYLEGQAAKEFLIWLKGRG 35  
Db 95 FERHAGTFTSDVSSYLEGQAAKEFLIWLKGRG 128

RESULT 15  
US-08-784-582-61  
Sequence 61, Application US/08784582  
Patent No. 6110707  
GENERAL INFORMATION:  
APPLICANT: Newgard, Christopher B.  
APPLICANT: Halban, Philippe A., Karl D.  
APPLICANT: No. 6110707minington, Karl D.  
APPLICANT: Clark, Samuel A.  
APPLICANT: Thigpen, Anice E.  
APPLICANT: Quade, Christian  
APPLICANT: Kruse, Fred  
APPLICANT: McGarry, Dennis  
TITLE OF INVENTION: RECOMBINANT EXPRESSION OF PROTEINS FROM  
TITLE OF INVENTION: SECRETORY CELL LINES  
NUMBER OF SEQUENCES: 79  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/784,582

FILING DATE: Concurrently Herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/028,427  
FILING DATE: 15-OCT-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/589,028  
FILING DATE: 19-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Highlander, Steven L.  
REGISTRATION NUMBER: 37,642  
REFERENCE/DOCKET NUMBER: UTSD:514  
TELEPHONE: 512/418-3000  
TELEFAX: 512/474-7577  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 180 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-784-582-61

Query Match 99.4%; Score 177; DB 3; Length 180;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FERHAGTFTSDVSSYLEGQAAKEFLIWLKGRG 35  
Db 95 FERHAGTFTSDVSSYLEGQAAKEFLIWLKGRG 128

Search completed: July 3, 2004, 00:28:47  
Job time : 19.0435 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:26:08 ; Search time 50.6522 Seconds  
(without alignments)  
215.093 Million cell updates/sec

Title: US-09-943-084-1  
Perfect score: 178  
Sequence: 1 ?FERHAETFTSDVSSYLEGQAQAEFIAMLYKGRG 35

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1276540 seqs, 311283816 residues

Total number of hits satisfying chosen parameters: 1276540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
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16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description      |
|------------|-------|-------------|--------|----|------------------|
| 1          | 177   | 99.4        | 35     | 10 | US-09-943-084-1  |
| 2          | 177   | 99.4        | 35     | 15 | US-10-215-272-32 |
| 3          | 177   | 99.4        | 36     | 15 | US-10-215-272-31 |
| 4          | 177   | 99.4        | 37     | 9  | US-09-876-388-1  |
| 5          | 177   | 99.4        | 37     | 9  | US-09-851-738-1  |
| 6          | 177   | 99.4        | 37     | 9  | US-09-805-507-1  |
| 7          | 177   | 99.4        | 37     | 9  | US-09-859-804-1  |
| 8          | 177   | 99.4        | 37     | 9  | US-09-982-978-1  |
| 9          | 177   | 99.4        | 37     | 9  | US-09-953-021B-1 |
| 10         | 177   | 99.4        | 37     | 14 | US-10-091-258-1  |
| 11         | 177   | 99.4        | 37     | 14 | US-10-055-259-1  |
| 12         | 177   | 99.4        | 37     | 14 | US-10-287-892-1  |
| 13         | 177   | 99.4        | 37     | 14 | US-10-288-340-1  |
| 14         | 177   | 99.4        | 37     | 14 | US-10-097-230-1  |
| 15         | 177   | 99.4        | 37     | 15 | US-10-322-839-1  |

|    |     |      |    |    |                  |
|----|-----|------|----|----|------------------|
| 16 | 174 | 97.8 | 38 | 14 | US-10-285-079-82 |
| 17 | 174 | 97.8 | 38 | 14 | US-10-285-079-83 |
| 18 | 174 | 97.8 | 39 | 14 | US-10-285-079-89 |
| 19 | 174 | 97.8 | 39 | 14 | US-10-285-079-90 |
| 20 | 174 | 96.1 | 35 | 14 | US-10-285-079-58 |
| 21 | 171 | 96.1 | 36 | 9  | US-09-851-738-2  |
| 22 | 171 | 96.1 | 36 | 9  | US-09-805-507-2  |
| 23 | 171 | 96.1 | 36 | 9  | US-09-859-804-2  |
| 24 | 171 | 96.1 | 36 | 9  | US-09-982-978-2  |
| 25 | 171 | 96.1 | 36 | 9  | US-09-953-021B-2 |
| 26 | 171 | 96.1 | 36 | 14 | US-10-091-258-2  |
| 27 | 171 | 96.1 | 36 | 14 | US-10-055-259-2  |
| 28 | 171 | 96.1 | 36 | 14 | US-10-285-079-50 |
| 29 | 171 | 96.1 | 36 | 14 | US-10-285-079-59 |
| 30 | 171 | 96.1 | 36 | 15 | US-10-322-839-2  |
| 31 | 171 | 96.1 | 37 | 9  | US-09-420-785A-2 |
| 32 | 171 | 96.1 | 37 | 9  | US-09-876-388-16 |
| 33 | 171 | 96.1 | 37 | 9  | US-09-876-388-25 |
| 34 | 171 | 96.1 | 37 | 9  | US-09-876-388-26 |
| 35 | 171 | 96.1 | 37 | 14 | US-10-287-892-16 |
| 36 | 171 | 96.1 | 37 | 14 | US-10-287-892-25 |
| 37 | 171 | 96.1 | 37 | 14 | US-10-287-892-26 |
| 38 | 171 | 96.1 | 37 | 14 | US-10-288-340-16 |
| 39 | 171 | 96.1 | 37 | 14 | US-10-288-340-25 |
| 40 | 171 | 96.1 | 37 | 14 | US-10-288-340-26 |
| 41 | 171 | 96.1 | 37 | 14 | US-10-285-079-42 |
| 42 | 171 | 96.1 | 37 | 14 | US-10-285-079-51 |
| 43 | 171 | 96.1 | 37 | 14 | US-10-285-079-60 |
| 44 | 171 | 96.1 | 38 | 14 | US-10-285-079-34 |
| 45 | 171 | 96.1 | 38 | 14 | US-10-285-079-43 |

#### ALIGNMENTS

#### RESULT 1

US-09-943-084-1  
; Sequence 1, Application US/09943084  
; Publication No. US20030050237A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; Qi, Hong  
; Gelfand, Robert A.  
; Geoghegan, Kieran F.  
; Danley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/943,084  
; FILING DATE: 31-Aug-2001  
; CLASSIFICATION: <unknown>  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181,655  
; FILING DATE: <unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sheyka, Robert F.  
; REGISTRATION NUMBER: 31,304  
; REFERENCE/DOCKET NUMBER: PC8391  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 573-1189

TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 37 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-943-084-1

Query Match 99.4%; Score 177; DB 10; Length 35;  
Best Local Similarity 100.0%; Pred. No. 1.7e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35  
|||||  
Db 2 FERHAEGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35

RESULT 2  
US-10-215-272-32  
; Sequence 32, Application US/10215272  
; Publication No. US20040002468A1  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel C.  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other  
; FILE REFERENCE: 2478.2019002 PCT  
; CURRENT APPLICATION NUMBER: US/10/215,272  
; PRIOR FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 32  
; LENGTH: 35  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (3-37)  
US-10-215-272-32

Query Match 99.4%; Score 177; DB 15; Length 35;  
Best Local Similarity 100.0%; Pred. No. 1.7e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35  
|||||  
Db 2 FERHAEGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35

RESULT 3  
US-10-215-272-31  
; Sequence 31, Application US/10215272  
; Publication No. US20040002468A1  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel C.  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other  
; FILE REFERENCE: 2478.2019002 PCT  
; CURRENT APPLICATION NUMBER: US/10/215,272  
; PRIOR FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 31  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (2-37)  
US-10-215-272-31

Query Match 99.4%; Score 177; DB 15; Length 36;  
Best Local Similarity 100.0%; Pred. No. 1.7e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35  
|||||  
Db 3 FERHAEGTFTSDVSSYLEGQAAKEFIAMLVKGRG 36

RESULT 4  
US-09-876-388-1  
; Sequence 1, Application US/09876388  
; Patent No. US20020049153A1  
; GENERAL INFORMATION:  
; APPLICANT: Bridon, Dominique P.  
; APPLICANT: L'Archeveque, Benoit  
; APPLICANT: Ezrin, Alan M.  
; APPLICANT: Holmes, Darren L.  
; APPLICANT: Lebanc, Anouk  
; APPLICANT: St. Pierre, Serge  
; TITLE OF INVENTION: LONG LASTING INSULINOTROPIC PEPTIDES  
; FILE REFERENCE: 500862001610  
; CURRENT APPLICATION NUMBER: US/09/876,388  
; CURRENT FILING DATE: 2001-09-24  
; PRIOR APPLICATION NUMBER: 09/623,618  
; PRIOR FILING DATE: 2000-09-05  
; PRIOR APPLICATION NUMBER: PCT/US00/13563  
; PRIOR FILING DATE: 2000-05-17  
; PRIOR APPLICATION NUMBER: 60/159,783  
; PRIOR FILING DATE: 1999-10-15  
; PRIOR APPLICATION NUMBER: 60/134,406  
; PRIOR FILING DATE: 1999-05-17  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-09-876-388-1

Query Match 99.4%; Score 177; DB 9; Length 37;  
Best Local Similarity 100.0%; Pred. No. 1.8e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



; TITLE OF INVENTION: Reperfused Skeletal Muscle Tissue  
 ; FILE REFERENCE: P03660US6  
 ; CURRENT APPLICATION NUMBER: US/09/953,021B  
 ; CURRENT FILING DATE: 2001-09-11  
 ; PRIOR APPLICATION NUMBER: 09/302,596  
 ; PRIOR FILING DATE: 1999-04-30  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1  
 ; LENGTH: 37  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; ORGANISM: Homo sapiens  
 ; US-09-953-021B-1

Query Match 99.4%; Score 177; DB 9; Length 37;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-18;  
 Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35  
 Db 4 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 37

## RESULT 10

US-10-091-258-1  
 ; Sequence 1, Application US/10091258  
 ; Publication No. US20030073626A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hathaway, David R  
 ; APPLICANT: Coolidge, Thomas R  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL VASCULAR DISEASE  
 ; FILE REFERENCE: RGN-2  
 ; CURRENT APPLICATION NUMBER: US/10/091,258  
 ; CURRENT FILING DATE: 2002-03-05  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 1  
 ; LENGTH: 37  
 ; TYPE: PRT  
 ; ORGANISM: mammalian  
 ; US-10-091-258-1

Query Match 99.4%; Score 177; DB 14; Length 37;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-18;  
 Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35  
 Db 4 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 37

## RESULT 11

US-10-055-259-1  
 ; Sequence 1, Application US/10055259  
 ; Publication No. US20030091507A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Holist, Jens J.  
 ; APPLICANT: Vallsboll, Tina  
 ; TITLE OF INVENTION: GLP-1 AS A DIAGNOSTIC TEST TO DETERMINE Beta-CELL FUNCTION AND TH  
 ; PRESENCE OF THE CONDITION OF IGT AND TYPE-II DIABETES  
 ; FILE REFERENCE: P03987US1  
 ; CURRENT APPLICATION NUMBER: US/10/055,259  
 ; CURRENT FILING DATE: 2002-06-21  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 1  
 ; LENGTH: 37  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-055-259-1

Query Match 99.4%; Score 177; DB 14; Length 37;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-18;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35  
 Db 4 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 37

## RESULT 12

US-10-287-892-1  
 ; Sequence 1, Application US/10287892  
 ; Publication No. US20030108567A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bridon, Dominique P.  
 ; APPLICANT: L'Archeveque, Benoit  
 ; APPLICANT: Ezrin, Alan M.  
 ; APPLICANT: Holmes, Darren L.  
 ; APPLICANT: Leblanc, Anouk  
 ; APPLICANT: St. Pierre, Serge  
 ; TITLE OF INVENTION: LONG LASTING SYNTHETIC GLUCAGON LIKE PEPTIDE (GLP-1)  
 ; FILE REFERENCE: 500862001612  
 ; CURRENT APPLICATION NUMBER: US/10/287,892  
 ; CURRENT FILING DATE: 2002-11-04  
 ; PRIOR APPLICATION NUMBER: 09/657,332  
 ; PRIOR FILING DATE: 2000-09-07  
 ; PRIOR APPLICATION NUMBER: 60/159,783  
 ; PRIOR FILING DATE: 1999-10-15  
 ; NUMBER OF SEQ ID NOS: 35  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 37  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
 ; US-10-287-892-1

Query Match 99.4%; Score 177; DB 14; Length 37;

Best Local Similarity 100.0%; Pred. No. 1.8e-18;  
 Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35  
 Db 4 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 37

## RESULT 13

US-10-288-340-1  
 ; Sequence 1, Application US/10288340  
 ; Publication No. US20030108568A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bridon, Dominique P.  
 ; APPLICANT: Ezrin, Alan M.  
 ; APPLICANT: Holmes, Darren L.  
 ; APPLICANT: Leblanc, Anouk  
 ; APPLICANT: St. Pierre, Serge  
 ; TITLE OF INVENTION: LONG LASTING SYNTHETIC GLUCAGON LIKE PEPTIDE (GLP-1)  
 ; FILE REFERENCE: 500862001611  
 ; CURRENT APPLICATION NUMBER: US/10/288,340  
 ; CURRENT FILING DATE: 2002-11-04  
 ; PRIOR APPLICATION NUMBER: 09/657,332  
 ; PRIOR FILING DATE: 2000-09-07  
 ; PRIOR APPLICATION NUMBER: 60/159,783  
 ; PRIOR FILING DATE: 1999-10-15  
 ; NUMBER OF SEQ ID NOS: 35  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 37  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic



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; OTHER INFORMATION: Peptide
US-10-288-340-1
Query Match          99.4%; Score 177; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.8e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35
DB 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

RESULT 14
US-10-097-230-1
; Sequence 1, Application US/10097230
; Publication No. US20030186436A1
; GENERAL INFORMATION:
; APPLICANT: Perfetti, Riccardo
; APPLICANT: Hui, Hongxiang
; TITLE OF INVENTION: Glucose-Dependent Insulin-Secreting Cells Transfected with a Nuc
; FILE REFERENCE: 81476-0249704
; CURRENT APPLICATION NUMBER: US/10/097,230
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-097-230-1
Query Match          99.4%; Score 177; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.8e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35
DB 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

RESULT 15
US-10-322-839-1
; Sequence 1, Application US/10322839
; Publication No. US20040002454A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: P05671US2
; CURRENT APPLICATION NUMBER: US/10/322,839
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide
US-10-322-839-1
Query Match          99.4%; Score 177; DB 15; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.8e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 35
DB 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

; OTHER INFORMATION: Peptide
US-10-288-340-1
Query Match          99.4%; Score 177; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.8e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37

Search completed: July 3, 2004, 00:51:49
Job time : 51.6522 secs
Db          4 FERHAGTFTSDVSSYLEGQAAKEFIAMLVKGRG 37
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:22:02 ; Search time 224.348 Seconds  
(without alignments)  
152.272 Million cell updates/sec

Title: US-09-943-084-1  
Perfect score: 178  
Sequence: 1 ?FERHAGTFTSDVSSYLEGQAQKPIAWLVKGRG 35

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 6019581 seqs, 976053577 residues

Total number of hits satisfying chosen parameters: 6019581

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents AA\_Main :

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- 2: /cgn2\_6/ptodata/2/paa/US06\_COMB.pep.\*
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- 5: /cgn2\_6/ptodata/2/paa/US09\_COMB.pep.\*
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- 10: /cgn2\_6/ptodata/2/paa/US086\_COMB.pep.\*
- 11: /cgn2\_6/ptodata/2/paa/US087\_COMB.pep.\*
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- 19: /cgn2\_6/ptodata/2/paa/US095\_COMB.pep.\*
- 20: /cgn2\_6/ptodata/2/paa/US096\_COMB.pep.\*
- 21: /cgn2\_6/ptodata/2/paa/US097A\_COMB.pep.\*
- 22: /cgn2\_6/ptodata/2/paa/US097B\_COMB.pep.\*
- 23: /cgn2\_6/ptodata/2/paa/US098\_COMB.pep.\*
- 24: /cgn2\_6/ptodata/2/paa/US099A\_COMB.pep.\*
- 25: /cgn2\_6/ptodata/2/paa/US099B\_COMB.pep.\*
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- 27: /cgn2\_6/ptodata/2/paa/US101\_COMB.pep.\*
- 28: /cgn2\_6/ptodata/2/paa/US102\_COMB.pep.\*
- 29: /cgn2\_6/ptodata/2/paa/US103\_COMB.pep.\*
- 30: /cgn2\_6/ptodata/2/paa/US104\_COMB.pep.\*
- 31: /cgn2\_6/ptodata/2/paa/US106\_COMB.pep.\*
- 32: /cgn2\_6/ptodata/2/paa/US107\_COMB.pep.\*
- 33: /cgn2\_6/ptodata/2/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Query | Score | Match | Length | ID | Description |
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|----|-----|------|-----|----|---------------------|-------------------|
| 1  | 177 | 99.4 | 35  | 1  | PCT-US02-25227-32   | Sequence 32, Appl |
| 2  | 177 | 99.4 | 35  | 24 | US-09-943-084-1     | Sequence 1, Appl  |
| 3  | 177 | 99.4 | 35  | 28 | US-10-215-272-32    | Sequence 32, Appl |
| 4  | 177 | 99.4 | 36  | 1  | PCT-US02-25227-31   | Sequence 31, Appl |
| 5  | 177 | 99.4 | 36  | 28 | US-10-215-272-31    | Sequence 31, Appl |
| 6  | 177 | 99.4 | 37  | 1  | PCT-US02-13088-1    | Sequence 1, Appl  |
| 7  | 177 | 99.4 | 37  | 3  | US-07-899-073-1     | Sequence 1, Appl  |
| 8  | 177 | 99.4 | 37  | 4  | US-08-044-133-1     | Sequence 1, Appl  |
| 9  | 177 | 99.4 | 37  | 7  | US-08-356-231-1     | Sequence 1, Appl  |
| 10 | 177 | 99.4 | 37  | 9  | US-08-520-485-19    | Sequence 19, Appl |
| 11 | 177 | 99.4 | 37  | 20 | US-09-623-548A-343  | Sequence 343, App |
| 12 | 177 | 99.4 | 37  | 20 | US-09-646-433-1     | Sequence 1, Appl  |
| 13 | 177 | 99.4 | 37  | 20 | US-09-657-376-343   | Sequence 343, App |
| 14 | 177 | 99.4 | 37  | 21 | US-09-719-410-1     | Sequence 1, Appl  |
| 15 | 177 | 99.4 | 37  | 23 | US-09-851-738-1     | Sequence 1, Appl  |
| 16 | 177 | 99.4 | 37  | 23 | US-09-853-804-1     | Sequence 1, Appl  |
| 17 | 177 | 99.4 | 37  | 25 | US-09-953-021-1     | Sequence 1, Appl  |
| 18 | 177 | 99.4 | 37  | 25 | US-09-953-021B-1    | Sequence 1, Appl  |
| 19 | 177 | 99.4 | 37  | 25 | US-09-982-978-1     | Sequence 1, Appl  |
| 20 | 177 | 99.4 | 37  | 26 | US-10-055-259-1     | Sequence 1, Appl  |
| 21 | 177 | 99.4 | 37  | 26 | US-10-091-258-1     | Sequence 1, Appl  |
| 22 | 177 | 99.4 | 37  | 26 | US-10-097-230-1     | Sequence 1, Appl  |
| 23 | 177 | 99.4 | 37  | 28 | US-10-287-892-1     | Sequence 1, Appl  |
| 24 | 177 | 99.4 | 37  | 28 | US-10-288-340-1     | Sequence 1, Appl  |
| 25 | 177 | 99.4 | 37  | 29 | US-10-322-839-1     | Sequence 1, Appl  |
| 26 | 177 | 99.4 | 37  | 32 | US-10-723-099-1     | Sequence 1, Appl  |
| 27 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-630  | Sequence 630, App |
| 28 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-632  | Sequence 632, App |
| 29 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-633  | Sequence 633, App |
| 30 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-634  | Sequence 634, App |
| 31 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1246 | Sequence 1246, Ap |
| 32 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1247 | Sequence 1247, Ap |
| 33 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1248 | Sequence 1248, Ap |
| 34 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1249 | Sequence 1249, Ap |
| 35 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1250 | Sequence 1250, Ap |
| 36 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1727 | Sequence 1727, Ap |
| 37 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1775 | Sequence 1775, Ap |
| 38 | 177 | 99.4 | 180 | 1  | PCT-US02-40891-1776 | Sequence 1776, Ap |
| 39 | 177 | 99.4 | 180 | 1  | PCT-US02-40892-198  | Sequence 198, App |
| 40 | 177 | 99.4 | 180 | 1  | PCT-US02-40892-199  | Sequence 199, App |
| 41 | 177 | 99.4 | 180 | 1  | PCT-US02-40892-200  | Sequence 200, App |
| 42 | 177 | 99.4 | 180 | 1  | PCT-US02-40892-201  | Sequence 201, App |
| 43 | 177 | 99.4 | 180 | 1  | PCT-US02-40892-426  | Sequence 426, App |
| 44 | 177 | 99.4 | 180 | 1  | PCT-US02-40892-427  | Sequence 427, App |
| 45 | 177 | 99.4 | 180 | 1  | PCT-US02-40892-428  | Sequence 428, App |

ALIGNMENTS

RESULT 1  
PCT-US02-25227-32  
; Sequence 32, Application PC/TUS0225227  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel C.  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other  
; FILE REFERENCE: 2478.2019002 PCT  
; CURRENT APPLICATION NUMBER: PCT/US02/25227  
; CURRENT FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; PRIOR FILING DATE: 2001-08-08  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 32  
; LENGTH: 35  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:



Query Match 99.4%; Score 177; DB 1; Length 36;  
Best Local Similarity 100.0%; Pred. No. 2e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 35  
DB 3 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 36

## RESULT 5

US-10-215-272-31  
; Sequence 31, Application US/10215272  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel C.  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other  
; FILE REFERENCE: Blood Sugar Disorders  
; CURRENT APPLICATION NUMBER: US/10/215,272  
; CURRENT FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; PRIOR FILING DATE: 2001-08-08  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 31  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (2-37)  
US-10-215-272-31

Query Match 99.4%; Score 177; DB 28; Length 36;  
Best Local Similarity 100.0%; Pred. No. 2e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 35  
DB 3 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 36

## RESULT 6

PCT-US02-13088-1  
; Sequence 1, Application PC/TUS0213088  
; GENERAL INFORMATION:  
; APPLICANT: Restoragen, Inc.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH  
; FILE REFERENCE: RGN-3  
; CURRENT APPLICATION NUMBER: PCT/US02/13088  
; CURRENT FILING DATE: 2002-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: mammalian  
PCT-US02-13088-1

Query Match 99.4%; Score 177; DB 1; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.1e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 35  
DB 4 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 37

## RESULT 7

US-07-899-073-1  
; Sequence 1, Application US/07899073  
; GENERAL INFORMATION:  
; APPLICANT: Andrews, Glenn C.  
; APPLICANT: Daumy, Gaston O.  
; APPLICANT: Francoeur, Michael L.  
; APPLICANT: Larson, Eric R.  
; TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE AND INSULINOTROPIN  
; DERIVATIVES  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Gregg C. Benson, Pfizer Inc  
; STREET: Eastern Point Road  
; CITY: Groton  
; STATE: CT  
; COUNTRY: USA  
; ZIP: 06340  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899,073  
; FILING DATE: 19920615  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Gregg C.  
; REGISTRATION NUMBER: 30,997  
; REFERENCE/DOCKET NUMBER: PC8156GCB  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (203) 441-4901  
; TELEFAX: (203) 441-5221  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 37 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-07-899-073-1  
Query Match 99.4%; Score 177; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2.1e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 35  
DB 4 FERHAEGTSDVSSYLEGQAQKEFIAMLVKRG 37

RESULT 8  
US-08-044-133-1  
; Sequence 1, Application US/08044133  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; APPLICANT: Lambert, William J.  
; APPLICANT: Qi, Hong  
; APPLICANT: Gelfand, Robert A.  
; APPLICANT: Geoghegan, Kieran F.  
; APPLICANT: Danley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.2.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,133
; FILING DATE: 07-APR-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sheyka, Robert F.
; REGISTRATION NUMBER: 31,304
; REFERENCE/DOCKET NUMBER: PC8391
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)573-1189
; TELEFAX: (212)573-1939
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: N/A
; STRAIN: N/A
; INDIVIDUAL ISOLATE: N/A
; HAPLOTYPE: N/A
; CELL LINE: N/A
; IMMEDIATE SOURCE:
; LIBRARY: N/A
; CLONE: N/A
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: N/A
; MAP POSITION: N/A
; UNITS: N/A
; US-08-044-133-1
;
; Query Match 99.4%; Score 177; DB 4; Length 37
; Best Local Similarity 100.0%; Pred.No. 2.1e-18;
; Matches 34; Conservative 0; Mismatches 0;
;
; QY 2 PERHAGTFTSDVSVYLGQAQKEFIAMLVKRG 35
; DB 4 PERHAGTFTSDVSVYLGQAQKEFIAMLVKRG 37
;
; RESULT 9
; US-08-356-231-1
; Sequence 1. Application US/08356231
; GENERAL INFORMATION:
; APPLICANT: Andrews, Glenn C.
; APPLICANT: Daumy, Gaston O.
; APPLICANT: Francoeur, Michael L.
; APPLICANT: Larson, Eric R.
; APPLICANT: Pfizer Inc, (Non-US)
; TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE AND INHIBITORS
; TITLE OF INVENTION: DERIVATIVES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Gregg C. Benson, Pfizer Inc
; STREET: Eastern Point Road
; CITY: Groton
; STATE: CT
; COUNTRY: USA
; ZIP: 06340
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.2.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/356,231

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Query Match          99.4%; Score 177; DB 9; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.1e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 35
   |||||
DB 4 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 37
   |||||

RESULT 11
US-09-623-548A-343
; Sequence 343, Application US/09623548A
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thiabaudau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/623,548A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 343
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-623-548A-343

Query Match          99.4%; Score 177; DB 20; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.1e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 35
   |||||
DB 4 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 37
   |||||

RESULT 12
US-09-646-433-1
; Sequence 1, Application US/09646433
; GENERAL INFORMATION:
; APPLICANT: Goke, Burkhard
; APPLICANT: Schirra, Jorg
; TITLE OF INVENTION: HUMAN APPETITE CONTROL BY GLUCAGON-LIKE PEPTIDE RECEPTOR BINDING
; FILE REFERENCE: P03893U51
; CURRENT APPLICATION NUMBER: US/09/646,433
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/189,091
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: PCT/US99/05571
; PRIOR FILING DATE: 1999-03-16
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide

Query Match          99.4%; Score 177; DB 9; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.1e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 35
   |||||
DB 4 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 37
   |||||

RESULT 13
US-09-657-276-343
; Sequence 343, Application US/09657276
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thiabaudau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/657,276
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 343
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-657-276-343

Query Match          99.4%; Score 177; DB 20; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.1e-18;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 35
   |||||
DB 4 FERHAGTFTSDVSSYLEGQAQAKETIAWLKVRG 37
   |||||

RESULT 14
US-09-719-410-1
; Sequence 1, Application US/09719410
; GENERAL INFORMATION:
; APPLICANT: Goke, Burkhard
; APPLICANT: Byrne, Maria
; TITLE OF INVENTION: Glucagon-Like Peptide-1 Improves the Ability of the
; TITLE OF INVENTION: B-Cell to Sense and Respond to Glucose in Subjects with
; TITLE OF INVENTION: Impaired Glucose Tolerance
; FILE REFERENCE: P03986US2
; CURRENT APPLICATION NUMBER: US/09/719,410
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: PCT/US99/10040
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: mammalian
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:25:27 ; Search time 16.5217 Seconds  
(without alignments)  
105.442 Million cell updates/sec

Title: US-09-943-084-1

Perfect score: 178  
Sequence: 1 ?FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

Scoring table: SLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 327902 seqs, 49773865 residues

Total number of hits satisfying chosen parameters: 327902

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents AA New:  
1: /cgn2\_6/ptodata/2/paa/PCT\_NEW\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep.\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | DB ID              | Description        |
|------------|-------|-------------|--------|--------------------|--------------------|
| 1          | 177   | 99.4        | 35     | US-10-716-326-32   | Sequence 32, Appl  |
| 2          | 177   | 99.4        | 35     | US-10-715-976-32   | Sequence 32, Appl  |
| 3          | 177   | 99.4        | 36     | US-10-716-326-31   | Sequence 31, Appl  |
| 4          | 177   | 99.4        | 36     | US-10-715-976-31   | Sequence 31, Appl  |
| 5          | 177   | 99.4        | 37     | US-10-723-099A-1   | Sequence 1, Appli  |
| 6          | 177   | 99.4        | 37     | US-10-722-733-1    | Sequence 2, Appli  |
| 7          | 177   | 99.4        | 180    | US-09-635-679E-2   | Sequence 198, App  |
| 8          | 177   | 99.4        | 180    | US-10-775-180-198  | Sequence 199, App  |
| 9          | 177   | 99.4        | 180    | US-10-775-180-199  | Sequence 200, App  |
| 10         | 177   | 99.4        | 180    | US-10-775-180-200  | Sequence 201, App  |
| 11         | 177   | 99.4        | 180    | US-10-775-180-201  | Sequence 426, App  |
| 12         | 177   | 99.4        | 180    | US-10-775-180-426  | Sequence 427, App  |
| 13         | 177   | 99.4        | 180    | US-10-775-180-427  | Sequence 428, App  |
| 14         | 177   | 99.4        | 180    | US-10-775-180-428  | Sequence 429, App  |
| 15         | 177   | 99.4        | 180    | US-10-775-180-429  | Sequence 430, App  |
| 16         | 177   | 99.4        | 180    | US-10-775-180-430  | Sequence 651, App  |
| 17         | 177   | 99.4        | 180    | US-10-775-180-651  | Sequence 675, App  |
| 18         | 177   | 99.4        | 180    | US-10-775-180-675  | Sequence 676, App  |
| 19         | 177   | 99.4        | 180    | US-10-775-180-676  | Sequence 630, App  |
| 20         | 177   | 99.4        | 180    | US-10-775-204-630  | Sequence 632, App  |
| 21         | 177   | 99.4        | 180    | US-10-775-204-632  | Sequence 633, App  |
| 22         | 177   | 99.4        | 180    | US-10-775-204-633  | Sequence 634, App  |
| 23         | 177   | 99.4        | 180    | US-10-775-204-634  | Sequence 1246, App |
| 24         | 177   | 99.4        | 180    | US-10-775-204-1246 | Sequence 1247, App |
| 25         | 177   | 99.4        | 180    | US-10-775-204-1247 | Sequence 1248, App |
| 26         | 177   | 99.4        | 180    | US-10-775-204-1248 |                    |

#### ALIGNMENTS

##### RESULT 1

US-10-716-326-32

; Sequence 32, Application US/10716326

; GENERAL INFORMATION:

; APPLICANT: Genzyme Corporation

; APPLICANT: Wadsworth, Samuel

; APPLICANT: Armentano, Donna

; APPLICANT: Gregory, Richard J.

; APPLICANT: Parsons, Geoffrey

; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders

; FILE REFERENCE: 5062CIP

; CURRENT APPLICATION NUMBER: US/10716,326

; PRIOR FILING DATE: 2003-11-17

; PRIOR APPLICATION NUMBER: US 10/215,272

; PRIOR FILING DATE: 2002-08-07

; PRIOR APPLICATION NUMBER: US 60/310,982

; NUMBER OF SEQ ID NOS: 54

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 32

; LENGTH: 35

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (3-37)

US-10-716-326-32

Query Match

Best Local Similarity

Matches

34; Conservative

0; Mismatches

0; Indels

0; Gaps

0;

99.4%; Score 177; DB 6; Length 35;

100.0%; Pred. No. 9.6e-18;

0; Mismatches

0; Indels

0; Gaps

0;

2 FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

|||||

2 FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

|||||

2 FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

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2 FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

|||||

2 FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

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2 FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

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2 FERHAGTTSVSSYLEGQAKEFTAWLVKGRG 35

|||||



```

; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (3-37)
US-10-715-976-32

```

Query Match 99.4%; Score 177; DB 6; Length 35;  
Best Local Similarity 100.0%; Pred. No. 9.6e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels

Qy 2 FERHAEGFTSDVSSYLEGQAAKEFIAWLVKGRG 35  
|||  
Db 2 FERHAEGFTSDVSSYLEGQAAKEFIAWLVKGRG 35  
|||

```

RESULT 3
US-10-716-326-31
; Sequence 31, Application US/10716326
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Wadsworth, Samuel
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Parsons, Geoffrey
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
; FILE REFERENCE: 5062CIP
; CURRENT APPLICATION NUMBER: US/10/716,326
; CURRENT FILING DATE: 2003-11-17
; PRIOR APPLICATION NUMBER: US 10/215,272
; PRIOR FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: US 60/310,982
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (2-37)
US-10-716-326-31

```

Query Match 99.4%; Score 177; DB 6; Length 36;  
Best Local Similarity 100.0%; Pred. No. 9.8e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels

|    |   |
|----|---|
| QY | 2 PERHAETFTSDVSSYLEGOAAKEFIWLVKGRG 35<br> |
| Db | 3 PERHAETFTSDVSSYLEGOAAKEFIWLVKGRG 36<br> |

```

RESULT 4
US-10-715-976-31
/ Sequence 31, Application US/10715976
/ GENERAL INFORMATION:
/ APPLICANT: Genzyme Corporation
/ APPLICANT: Wadsworth, Samuel
/ APPLICANT: Armentano, Donna
/ APPLICANT: Gregory, Richard J.
/ APPLICANT: Parsons, Geoffrey
/ TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
/ FILE REFERENCE: 5121
/ CURRENT APPLICATION NUMBER: US/10/715,976
/ CURRENT FILING DATE: 2003-11-17
/ NUMBER OF SEQ ID NOS: 54
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 31
/ LENGTH: 36
/ TYPE: PRT

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```

; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (2-37)
US-10-715-976-31

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|                       |                |                   |          |           |
|-----------------------|----------------|-------------------|----------|-----------|
| Query Match           | 99.4%          | Score 177         | DB 6     | Length 36 |
| Best Local Similarity | 100.0%         | Pred. No. 9.8e-18 |          |           |
| Matches 34            | Conservative 0 | Mismatches 0      | Indels 0 | Gaps 0    |

|    |   |                            |          |    |
|----|---|----------------------------|----------|----|
| Q7 | 2 | PERHAECTFTSDVSSYLEGQAAKEFI | AWLVKGRG | 35 |
|    |   |                            |          |    |
| Q8 | 3 | PERHAECTFTSDVSSYLEGQAAKEFI | AWLVKGRG | 36 |
|    |   |                            |          |    |

```

RESULT 5
US-10-723-099A-1
; Sequence 1, Application US/10723099A
; GENERAL INFORMATION:
; APPLICANT: Brldon, Dominique P.
; APPLICANT: L'Archeveque, Benoit
; APPLICANT: Ezrin, Alan M.
; APPLICANT: Holmes, Darren L.
; APPLICANT: Leblanc, Anouk
; APPLICANT: St. Pierre, Serge
; TITLE OF INVENTION: LONG LASTING SYNTHETIC GLUCAGON LIKE PEPTIDE (GALP-1)
; FILE REFERENCE: 500862001602
; CURRENT APPLICATION NUMBER: US/10/723,099A
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: 09/657,332
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRI
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-723-099A-1

```

|                       |              |                  |            |            |
|-----------------------|--------------|------------------|------------|------------|
| Query Match           | 99.4%        | Score 177;       | DB 6;      | Length 37; |
| Best Local Similarity | 100.0%;      | Pred. No. 1e-17; |            |            |
| Matches 34;           | Conservative | 0;               | Mismatches | 0;         |
|                       |              |                  | Indels     | 0;         |
|                       |              |                  | Gaps       | 0;         |

**Q7**            2 PERHAECTFTSDVSSYLEGQAAKEFTAWLVKGRG 35  
               |||||  
**D6**            4 PERHAECTFTSDVSSYLEGQAAKEFTAWLVKGRG 37  
               |||||

RESULT 6  
US-10-722-733-1  
Sequence 1, Application US/10722733  
GENERAL INFORMATION:  
APPLICANT: Bridon, Dominique P.  
APPLICANT: L'Archeveque, Benoit  
APPLICANT: Ezrin, Alan M.  
APPLICANT: Holmes, Darren L.  
APPLICANT: Leblanc, Anouk  
APPLICANT: St. Pierre, Serge  
TITLE OF INVENTION: LONG LASTING SYNTHETIC GLUCAGON LIKE PEPTIDE (GLP-1)  
FILE REFERENCE: 500862001611  
CURRENT APPLICATION NUMBER: US/10722,733  
CURRENT FILING DATE: 2003-11-25  
PRIOR APPLICATION NUMBER: US/10/288,340  
PRIOR FILING DATE: 2002-11-04  
PRIOR APPLICATION NUMBER: 09/657,332  
PRIOR FILING DATE: 2000-09-07  
PRIOR APPLICATION NUMBER: 60/159,783

; PRIOR FILING DATE: 1999-10-15  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide  
; OTHER INFORMATION: Peptide  
US-10-722-733-1

Query Match 99.4%; Score 177; DB 6; Length 37;  
Best Local Similarity 100.0%; Pred. No. 1e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTTSDVSSYLEGQAQKEFTIAWLKRG 35  
Db 4 FERHAGTTSDVSSYLEGQAQKEFTIAWLKRG 37

RESULT 7  
US-09-635-679E-2

; Sequence 2, Application US/09635679E  
; GENERAL INFORMATION:  
; APPLICANT: Habener, Joel  
; TITLE OF INVENTION: Insulinotropic Hormone and Uses Thereof  
; FILE REFERENCE: 0609.1090009  
; CURRENT APPLICATION NUMBER: US/09/635,679E  
; CURRENT FILING DATE: 2000-08-10  
; PRIOR APPLICATION NUMBER: 09/090,949  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 08/749,762  
; PRIOR FILING DATE: 1996-11-20  
; PRIOR APPLICATION NUMBER: 08/156,800  
; PRIOR FILING DATE: 1993-11-23  
; PRIOR APPLICATION NUMBER: 07/756,215  
; PRIOR FILING DATE: 1991-09-05  
; PRIOR APPLICATION NUMBER: 07/532,111  
; PRIOR FILING DATE: 1990-06-01  
; PRIOR APPLICATION NUMBER: 07/148,517  
; PRIOR FILING DATE: 1988-01-26  
; PRIOR APPLICATION NUMBER: 06/859,928  
; PRIOR FILING DATE: 1986-05-05  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 2  
; LENGTH: 180  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: preproglucagon precursor  
US-09-635-679E-2

Query Match 99.4%; Score 177; DB 5; Length 180;  
Best Local Similarity 100.0%; Pred. No. 5.3e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTTSDVSSYLEGQAQKEFTIAWLKRG 35  
Db 95 FERHAGTTSDVSSYLEGQAQKEFTIAWLKRG 128

RESULT 8  
US-10-775-180-198

; Sequence 198, Application US/10775180  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Haseltine, William A.  
; TITLE OF INVENTION: Albumin Fusion Proteins  
; FILE REFERENCE: PF574  
; CURRENT APPLICATION NUMBER: US/10/775,180  
; CURRENT FILING DATE: 2004-02-11

; PRIOR APPLICATION NUMBER: PCT/US02/40892  
; PRIOR FILING DATE: 2002-12-23  
; PRIOR APPLICATION NUMBER: 60/341,811  
; PRIOR FILING DATE: 2001-12-21  
; PRIOR APPLICATION NUMBER: 60/360,000  
; PRIOR FILING DATE: 2002-02-28  
; PRIOR APPLICATION NUMBER: 60/378,950  
; PRIOR FILING DATE: 2002-05-10  
; PRIOR APPLICATION NUMBER: 60/398,008  
; PRIOR FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 60/411,355  
; PRIOR FILING DATE: 2002-09-18  
; PRIOR APPLICATION NUMBER: 60/414,984  
; PRIOR FILING DATE: 2002-10-02  
; PRIOR APPLICATION NUMBER: 60/417,611  
; PRIOR FILING DATE: 2002-10-11  
; PRIOR APPLICATION NUMBER: 60/420,246  
; PRIOR FILING DATE: 2002-10-23  
; PRIOR APPLICATION NUMBER: 60/423,623  
; PRIOR FILING DATE: 2002-11-05  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 858  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 198  
; LENGTH: 180  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-775-180-198

Query Match 99.4%; Score 177; DB 6; Length 180;  
Best Local Similarity 100.0%; Pred. No. 5.3e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTTSDVSSYLEGQAQKEFTIAWLKRG 35  
Db 95 FERHAGTTSDVSSYLEGQAQKEFTIAWLKRG 128

RESULT 9

US-10-775-180-199  
; Sequence 199, Application US/10775180  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Haseltine, William A.  
; TITLE OF INVENTION: Albumin Fusion Proteins  
; FILE REFERENCE: PF574  
; CURRENT APPLICATION NUMBER: US/10/775,180  
; CURRENT FILING DATE: 2004-02-11  
; PRIOR APPLICATION NUMBER: PCT/US02/40892  
; PRIOR FILING DATE: 2002-12-23  
; PRIOR APPLICATION NUMBER: 60/341,811  
; PRIOR FILING DATE: 2001-12-21  
; PRIOR APPLICATION NUMBER: 60/360,000  
; PRIOR FILING DATE: 2002-02-28  
; PRIOR APPLICATION NUMBER: 60/378,950  
; PRIOR FILING DATE: 2002-05-10  
; PRIOR APPLICATION NUMBER: 60/398,008  
; PRIOR FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 60/411,355  
; PRIOR FILING DATE: 2002-09-18  
; PRIOR APPLICATION NUMBER: 60/414,984  
; PRIOR FILING DATE: 2002-10-02  
; PRIOR APPLICATION NUMBER: 60/417,611  
; PRIOR FILING DATE: 2002-10-11  
; PRIOR APPLICATION NUMBER: 60/420,246  
; PRIOR FILING DATE: 2002-10-23  
; PRIOR APPLICATION NUMBER: 60/423,623  
; PRIOR FILING DATE: 2002-11-05  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 858  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 199  
; LENGTH: 180

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-180-199

Query Match          99.4%; Score 177; DB 6; Length 180;
Best Local Similarity 100.0%; Pred. No. 5.3e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35
Db      95 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 128

RESULT 10
US-10-775-180-200
; Sequence 200, Application US/10775180
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF574
; CURRENT APPLICATION NUMBER: US/10/775,180
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/40892
; PRIOR FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 858
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 201
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-180-201

Query Match          99.4%; Score 177; DB 6; Length 180;
Best Local Similarity 100.0%; Pred. No. 5.3e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35
Db      95 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 128

RESULT 11
US-10-775-180-201
; Sequence 201, Application US/10775180
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF574
; CURRENT APPLICATION NUMBER: US/10/775,180
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/40892
; PRIOR FILING DATE: 2002-12-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 858
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 200
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-775-180-200

Query Match          99.4%; Score 177; DB 6; Length 180;
Best Local Similarity 100.0%; Pred. No. 5.3e-17;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 35
Db      95 FERHAEGTFTSDVSSYLEGQAAKEFIAWLKRG 128

RESULT 12
US-10-775-180-426
; Sequence 426, Application US/10775180
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Haseltine, William A.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF574
; CURRENT APPLICATION NUMBER: US/10/775,180
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: PCT/US02/40892
; PRIOR FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/341,811
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/360,000
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: 60/378,950
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: 60/398,008
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 60/411,355
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/414,984
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/417,611
; PRIOR FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: 60/420,246
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 60/423,623
; PRIOR FILING DATE: 2002-11-05
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 858
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 426
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-775-180-426

Query Match 99.4%; Score 177; DB 6; Length 180;  
Best Local Similarity 100.0%; Pred. No. 5.3e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAQKEFIAMLVKGRG 35  
DB 95 FERHAGTFTSDVSSYLEGQAQKEFIAMLVKGRG 128

RESULT 13

US-10-775-180-427  
Sequence 427, Application US/10775180  
GENERAL INFORMATION:  
APPLICANT: Haseltine, William A.  
TITLE OF INVENTION: Albumin Fusion Proteins  
FILE REFERENCE: PF574  
CURRENT APPLICATION NUMBER: US/10/775,180  
CURRENT FILING DATE: 2004-02-11  
PRIOR APPLICATION NUMBER: PCT/US02/40892  
PRIOR FILING DATE: 2002-12-23  
PRIOR APPLICATION NUMBER: 60/341,811  
PRIOR FILING DATE: 2001-12-21  
PRIOR APPLICATION NUMBER: 60/360,000  
PRIOR FILING DATE: 2002-02-28  
PRIOR APPLICATION NUMBER: 60/378,950  
PRIOR FILING DATE: 2002-08-10  
PRIOR APPLICATION NUMBER: 60/398,008  
PRIOR FILING DATE: 2002-07-24  
PRIOR APPLICATION NUMBER: 60/411,355  
PRIOR FILING DATE: 2002-09-18  
PRIOR APPLICATION NUMBER: 60/414,984  
PRIOR FILING DATE: 2002-10-02  
PRIOR APPLICATION NUMBER: 60/417,611  
PRIOR FILING DATE: 2002-10-23  
PRIOR APPLICATION NUMBER: 60/420,246  
PRIOR FILING DATE: 2002-11-05  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 858  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 427  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-775-180-427

Query Match 99.4%; Score 177; DB 6; Length 180;  
Best Local Similarity 100.0%; Pred. No. 5.3e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAQKEFIAMLVKGRG 35  
DB 95 FERHAGTFTSDVSSYLEGQAQKEFIAMLVKGRG 128

RESULT 14

US-10-775-180-428  
Sequence 428, Application US/10775180  
GENERAL INFORMATION:  
APPLICANT: Haseltine, William A.  
TITLE OF INVENTION: Albumin Fusion Proteins  
FILE REFERENCE: PF574  
CURRENT APPLICATION NUMBER: US/10/775,180  
CURRENT FILING DATE: 2004-02-11  
PRIOR APPLICATION NUMBER: PCT/US02/40892  
PRIOR FILING DATE: 2002-12-23  
PRIOR APPLICATION NUMBER: 60/341,811  
PRIOR FILING DATE: 2001-12-21

PRIOR APPLICATION NUMBER: 60/360,000  
PRIOR FILING DATE: 2002-02-28  
PRIOR APPLICATION NUMBER: 60/378,950  
PRIOR FILING DATE: 2002-05-10  
PRIOR APPLICATION NUMBER: 60/398,008  
PRIOR FILING DATE: 2002-07-24  
PRIOR APPLICATION NUMBER: 60/411,355  
PRIOR FILING DATE: 2002-09-18  
PRIOR APPLICATION NUMBER: 60/414,984  
PRIOR FILING DATE: 2002-10-02  
PRIOR APPLICATION NUMBER: 60/417,611  
PRIOR FILING DATE: 2002-10-11  
PRIOR APPLICATION NUMBER: 60/420,246  
PRIOR FILING DATE: 2002-10-23  
PRIOR APPLICATION NUMBER: 60/423,623  
PRIOR FILING DATE: 2002-11-05  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 858  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 428  
LENGTH: 180  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-775-180-428

Query Match 99.4%; Score 177; DB 6; Length 180;  
Best Local Similarity 100.0%; Pred. No. 5.3e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FERHAGTFTSDVSSYLEGQAQKEFIAMLVKGRG 35  
DB 95 FERHAGTFTSDVSSYLEGQAQKEFIAMLVKGRG 128

RESULT 15

US-10-775-180-429  
Sequence 429, Application US/10775180  
GENERAL INFORMATION:  
APPLICANT: Rosen, Craig A.  
TITLE OF INVENTION: Albumin Fusion Proteins  
FILE REFERENCE: PF574  
CURRENT APPLICATION NUMBER: US/10/775,180  
CURRENT FILING DATE: 2004-02-11  
PRIOR APPLICATION NUMBER: PCT/US02/40892  
PRIOR FILING DATE: 2002-12-23  
PRIOR APPLICATION NUMBER: 60/341,811  
PRIOR FILING DATE: 2001-12-21  
PRIOR APPLICATION NUMBER: 60/360,000  
PRIOR FILING DATE: 2002-02-28  
PRIOR APPLICATION NUMBER: 60/378,950  
PRIOR FILING DATE: 2002-05-10  
PRIOR APPLICATION NUMBER: 60/398,008  
PRIOR FILING DATE: 2002-07-24  
PRIOR APPLICATION NUMBER: 60/411,355  
PRIOR FILING DATE: 2002-09-18  
PRIOR APPLICATION NUMBER: 60/414,984  
PRIOR FILING DATE: 2002-10-02  
PRIOR APPLICATION NUMBER: 60/417,611  
PRIOR FILING DATE: 2002-10-11  
PRIOR APPLICATION NUMBER: 60/420,246  
PRIOR FILING DATE: 2002-10-23  
PRIOR APPLICATION NUMBER: 60/423,623  
PRIOR FILING DATE: 2002-11-05  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 858  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 429  
LENGTH: 180  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-775-180-429

|           |    |                                    |     |
|-----------|----|------------------------------------|-----|
| <b>Qy</b> | 2  | FERHAEGTFTSDVSSYLEGQAQKEFIANLVKGRG | 35  |
|           |    |                                    |     |
| <b>Dd</b> | 95 | FERHAEGTFTSDVSSYLEGQAQKEFIANLVKGRG | 128 |

Search completed: July  
Job time : 17.5217 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:21:27 ; Search time 13.4037 Seconds  
(without alignments)  
100.142 Million cell updates/sec

Title: US-09-943-084-2

Perfect score: 133

Sequence: 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
|------------|-------|-------------|--------|----|-------------------|
| 1          | 133   | 100.0       | 29     | 1  | US-08-297-731-10  |
| 2          | 133   | 100.0       | 29     | 3  | US-09-302-596-5   |
| 3          | 133   | 100.0       | 29     | 4  | US-09-333-415-5   |
| 4          | 133   | 100.0       | 29     | 4  | US-09-303-016-5   |
| 5          | 133   | 100.0       | 29     | 4  | US-09-805-507-5   |
| 6          | 133   | 100.0       | 29     | 5  | PCT-US95-10793-10 |
| 7          | 133   | 100.0       | 30     | 1  | US-08-297-731-12  |
| 8          | 133   | 100.0       | 30     | 5  | PCT-US95-10793-12 |
| 9          | 133   | 100.0       | 31     | 1  | US-08-095-162-3   |
| 10         | 133   | 100.0       | 31     | 1  | US-08-470-220A-3  |
| 11         | 133   | 100.0       | 31     | 2  | US-08-835-231-12  |
| 12         | 133   | 100.0       | 31     | 3  | US-08-967-374-3   |
| 13         | 133   | 100.0       | 31     | 3  | US-08-961-405A-1  |
| 14         | 133   | 100.0       | 31     | 3  | US-08-961-405A-6  |
| 15         | 133   | 100.0       | 31     | 3  | US-08-915-918A-1  |
| 16         | 133   | 100.0       | 31     | 3  | US-09-302-596-3   |
| 17         | 133   | 100.0       | 31     | 3  | US-08-472-349-2   |
| 18         | 133   | 100.0       | 31     | 3  | US-08-108-661-12  |
| 19         | 133   | 100.0       | 31     | 4  | US-09-623-618B-2  |
| 20         | 133   | 100.0       | 31     | 4  | US-09-333-415-3   |
| 21         | 133   | 100.0       | 31     | 4  | US-09-585-181A-5  |
| 22         | 133   | 100.0       | 31     | 4  | US-09-209-799D-1  |
| 23         | 133   | 100.0       | 31     | 4  | US-09-209-799D-5  |
| 24         | 133   | 100.0       | 31     | 4  | US-09-209-799D-11 |
| 25         | 133   | 100.0       | 31     | 4  | US-09-209-799D-12 |
| 26         | 133   | 100.0       | 31     | 4  | US-09-209-799D-16 |
| 27         | 133   | 100.0       | 31     | 4  | US-09-209-799D-17 |

US-08-297-731-10  
Sequence 10, Application US/08297731  
Patent No. 5574008  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/297,731  
FILING DATE:  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-297-731-10

#### ALIGNMENTS

RESULT 1  
US-08-297-731-10  
Sequence 10, Application US/08297731  
Patent No. 5574008  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/297,731  
FILING DATE:  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-297-731-10

Query Match 100.0%; Score 133; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 8.6e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26

DB 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

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RESULT 2
US-09-302-596-5
; Sequence 5, Application US/09302596
; Patent No. 6284725
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of
; TITLE OF INVENTION: Ischemic and Reperfused Tissue
; FILE REFERENCE: P03660US1
; CURRENT APPLICATION NUMBER: US/09/302,596
; PRIOR FILING DATE: 1999-04-30
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: mammalian
US-09-302-596-5

Query Match      100.0%; Score 133; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 8.6e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGRG 29

RESULT 3
US-09-333-415-5
; Sequence 5, Application US/09333415
; Patent No. 6344180
; GENERAL INFORMATION:
; APPLICANT: Holst, Jens J.
; APPLICANT: Vilshof, Tina
; TITLE OF INVENTION: GLP-1 as a Diagnostic Test to Determine Beta-Cell
; TITLE OF INVENTION: Function and the Presence of the Condition of IGT and
; TITLE OF INVENTION: Type-II Diabetes
; FILE REFERENCE: P03987US0
; CURRENT APPLICATION NUMBER: US/09/333,415
; CURRENT FILING DATE: 1999-06-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-333-415-5

Query Match      100.0%; Score 133; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 8.6e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGRG 29

RESULT 4
US-09-303-016-5
; Sequence 5, Application US/09303016
; Patent No. 6429197
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 or its Biologically
; TITLE OF INVENTION: Active Analogues to Improve the Function of the
; TITLE OF INVENTION: Ischemic and Reperfused Brain
; FILE REFERENCE: P03660US2
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; CURRENT APPLICATION NUMBER: US/09/303,016
; CURRENT FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/103,498
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-303-016-5

Query Match      100.0%; Score 133; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 8.6e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGRG 29

RESULT 5
US-09-805-507-5
; Sequence 5, Application US/09805507
; Patent No. 6579851
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/805,507
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-805-507-5

Query Match      100.0%; Score 133; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 8.6e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGRG 29

RESULT 6
PCT-US95-10793-10
; Sequence 10, Application PC/TUS9510793
; GENERAL INFORMATION:
; APPLICANT: Johnson, William F.
; APPLICANT: Yakubu-Madus, Fatima B.
; TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF
; TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Eli Lilly and Company/RSM
; STREET: Lilly Corporate Center
; CITY: Indianapolis
; STATE: IN
; COUNTRY: USA
; ZIP: 46285
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICANT: Johnson, William T.  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US95-10793-10

Query Match 100.0%; Score 133; DB 5; Length 29;  
Best Local Similarity 100.0%; Pred. No. 8.6e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
DB 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

RESULT 7  
US-08-297-731-12  
Sequence 12, Application US/08297731  
Patent No. 5574008  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/297,731  
FILING DATE:  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-297-731-12

Query Match 100.0%; Score 133; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 9e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
DB 5 FTSDVSSYLEGQAAKEFIAMLVKGRG 30

RESULT 8  
PCT-US95-10793-12  
Sequence 12, Application PC/TUS9510793  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/10793  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US95-10793-12

Query Match 100.0%; Score 133; DB 5; Length 30;  
Best Local Similarity 100.0%; Pred. No. 9e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
DB 5 FTSDVSSYLEGQAAKEFIAMLVKGRG 30

RESULT 9  
US-08-095-162-3  
Sequence 3, Application US/08095162  
Patent No. 5512459  
GENERAL INFORMATION:  
APPLICANT: Wagner, Fred W.  
APPLICANT: Stout, Jay  
APPLICANT: Henriksen, Dennis  
APPLICANT: Partridge, Bruce  
APPLICANT: Manning, Shane  
TITLE OF INVENTION: Enzymatic Method for Modification of  
TITLE OF INVENTION: Recombinant Polypeptides  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:



ADDRESSEE: Merchant & Gould  
STREET: 3100 No. 5512459west Center  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/095,162  
FILING DATE: 20-JUL-1993  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Nelson, Albin J.  
REGISTRATION NUMBER: 28,659  
REFERENCE/DOCKET NUMBER: 8648.32-US01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 31 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
IMMEDIATE SOURCE:  
CLONE: GLP1 (7-36)-Gly  
US-08-095-162-3  
Query Match 100.0%; Score 133; DB 1; Length 31;  
Best Local Similarity 100.0%; Pred. No. 9.3e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 FTSDVSSYLEGQAQKEFIAMLVKRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKRG 31  
RESULT 10  
US-08-470-220A-3  
Sequence 3, Application US/08470220A  
Patent No. 5707826  
GENERAL INFORMATION:  
APPLICANT: Wagner, Fred W.  
APPLICANT: Stout, Jay  
APPLICANT: Henricksen, Dennis  
APPLICANT: Partridge, Bruce  
APPLICANT: Manning, Shane  
TITLE OF INVENTION: Enzymatic Method for Modification of  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 No. 5707826west Center  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/470,220A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/095,162  
FILING DATE: 20-JUL-1993

ATTORNEY/AGENT INFORMATION:  
NAME: Nelson, Albin J.  
REGISTRATION NUMBER: 28,659  
REFERENCE/DOCKET NUMBER: 8648.32-US01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 31 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
IMMEDIATE SOURCE:  
CLONE: GLP1 (7-36)-Gly  
US-08-470-220A-3  
Query Match 100.0%; Score 133; DB 1; Length 31;  
Best Local Similarity 100.0%; Pred. No. 9.3e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 FTSDVSSYLEGQAQKEFIAMLVKRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKRG 31  
RESULT 11  
US-08-835-231-12  
Sequence 12, Application US/08835231  
Patent No. 5861284  
GENERAL INFORMATION:  
APPLICANT: NISHIMURA, Osamu  
APPLICANT: KURIYAMA, Masato  
APPLICANT: KOYAMA, No. 5861284uyuki  
APPLICANT: FUKUDA, Tsunehiko  
TITLE OF INVENTION: METHOD FOR PRODUCING A BIOLOGICALLY  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP  
STREET: 130 WATER STREET  
CITY: BOSTON  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/835,231  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,709  
FILING DATE: 07-DEC-1994  
APPLICATION NUMBER: 07/838,857  
FILING DATE: 18-FEB-1992  
APPLICATION NUMBER: JP 024841  
FILING DATE: 19-FEB-1991  
APPLICATION NUMBER: JP 0271438  
FILING DATE: 18-OCT-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: DAVID, RESNICK S  
REGISTRATION NUMBER: 34,235  
REFERENCE/DOCKET NUMBER: 41614-FWC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
TELEX: 200291 STR  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:

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; LENGTH: 31 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
US-08-835-231-12

Query Match 100.0%; Score 133; DB 2; Length 31;
Best Local Similarity 100.0%; Pred. No. 9.3e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKRG 26
DB 6 FTSDVSSYLEGQAAKEFIAMLVKRG 31

RESULT 13
US-08-961-405A-1
; Sequence 1, Application US/08961405A
; Patent No. 6191102
; GENERAL INFORMATION:
; APPLICANT: DiMarchi, Richard D.
; APPLICANT: Efendic, Suad
; TITLE OF INVENTION: USE OF GLP-1 ANALOGS AND DERIVATIVES
; TITLE OF INVENTION: ADMINISTERED PERIPHERALLY IN REGULATION OF OBESITY
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BARNES & THORNBURG
; STREET: 200 W. Madison, Suite 2601
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961.405A
; FILING DATE: 30-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/030.213
; FILING DATE: 05-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Martin, Alice O.
; REGISTRATION NUMBER: 35,601
; REFERENCE/DOCKET NUMBER: 3051/90264
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-357-1313
; TELEFAX: 312-759-5646
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-961-405A-1

Query Match 100.0%; Score 133; DB 3; Length 31;
Best Local Similarity 100.0%; Pred. No. 9.3e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKRG 26
DB 6 FTSDVSSYLEGQAAKEFIAMLVKRG 31

RESULT 14
US-08-961-405A-6
; Sequence 6, Application US/08961405A
; Patent No. 6191102
; GENERAL INFORMATION:
; APPLICANT: DiMarchi, Richard D.
; APPLICANT: Efendic, Suad
; TITLE OF INVENTION: USE OF GLP-1 ANALOGS AND DERIVATIVES
; TITLE OF INVENTION: ADMINISTERED PERIPHERALLY IN REGULATION OF OBESITY
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BARNES & THORNBURG
; STREET: 200 W. Madison, Suite 2601
; CITY: Chicago
; STATE: Illinois
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/967.374
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/520,485
; FILING DATE: 29-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Carter, Charles G.
; REGISTRATION NUMBER: 35,093
; REFERENCE/DOCKET NUMBER: 8648.32-USD1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-332-5300
; TELEFAX: 612-332-9081
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; CLONE: GLP1 (7-36)-GLY
US-08-967-374-3

Query Match 100.0%; Score 133; DB 3; Length 31;
Best Local Similarity 100.0%; Pred. No. 9.3e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKRG 26
DB 6 FTSDVSSYLEGQAAKEFIAMLVKRG 31

RESULT 12
US-08-967-374-3
; Sequence 3, Application US/08967374
; Patent No. 6037143
; GENERAL INFORMATION:
; APPLICANT: Wagner, Fred W.
; APPLICANT: Stout, Jay
; APPLICANT: Henriksen, Dennis
; APPLICANT: Partridge, Bruce
; APPLICANT: Manning, Shane
; TITLE OF INVENTION: Enzymatic Method for Modification of
; TITLE OF INVENTION: Recombinant Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 3100 No. 6037143west Center
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/967.374
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/520,485
; FILING DATE: 29-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Carter, Charles G.
; REGISTRATION NUMBER: 35,093
; REFERENCE/DOCKET NUMBER: 8648.32-USD1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-332-5300
; TELEFAX: 612-332-9081
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; CLONE: GLP1 (7-36)-GLY
US-08-967-374-3
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COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/961.405A  
FILING DATE: 30-OCT-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/030,213  
FILING DATE: 05-NOV-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Martin, Alice O.  
REGISTRATION NUMBER: 35,601  
REFERENCE/DOCKET NUMBER: 3051/90264  
TELEPHONE: 312-357-1313  
TELEFAX: 312-759-5646  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-961-405A-6

Query Match 100.0%; Score 133; DB 3; Length 31;  
Best Local Similarity 100.0%; Pred. NO. 9.3e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGRG 31

## RESULT 15

US-08-915-918A-1  
Sequence 1, Application US/08915918A  
Patent No. 6277819  
GENERAL INFORMATION:  
APPLICANT: Erendic, Suad  
TITLE OF INVENTION: USE OF GLP-1 OR ANALOGS IN TREATMENT OF  
TITLE OF INVENTION: MYOCARDIAL INFARCTION  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BRINKS, HOFER, GILSON & LIONE  
STREET: NRC Tower - Suite 3600, 455 N. Cityfront  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60611-5599  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/915,918A  
FILING DATE: 21-AUG-1997  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Martin, Alice O.  
REGISTRATION NUMBER: 35,601  
REFERENCE/DOCKET NUMBER: 8792/28  
TELEPHONE: 312-321-4200  
TELEFAX: 312-321-4299  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:

LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-915-918A-1

Query Match 100.0%; Score 133; DB 3; Length 31;  
Best Local Similarity 100.0%; Pred. NO. 9.3e-14;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGRG 31

Search completed: July 3, 2004, 00:28:47  
Job time : 13.4037 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 3, 2004, 00:26:08 ; Search time 37.6273 Seconds  
(without alignments)  
215.093 Million cell updates/sec

Title: US-09-943-084-2

Perfect score: 133

Sequence: 1 FTSDVSSVLEGGQAKKEFTAWLVKGRG 26

Scoring table: BLOSUM62

Gapop 10.0 ; Gapext 0.5

Searched: 1276540 seqs, 311283816 residues

Total number of hits satisfying chosen parameters: 1276540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PTC\_NEW PUB.pep.\*  
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11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
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13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW PUB.pep.\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description      |
|------------|-------|-------------|--------|----|------------------|
| 1          | 133   | 100.0       | 26     | 10 | US-09-943-084-2  |
| 2          | 133   | 100.0       | 29     | 9  | US-09-851-738-5  |
| 3          | 133   | 100.0       | 29     | 9  | US-09-805-507-5  |
| 4          | 133   | 100.0       | 29     | 9  | US-09-859-804-5  |
| 5          | 133   | 100.0       | 29     | 9  | US-09-982-978-5  |
| 6          | 133   | 100.0       | 29     | 9  | US-09-953-021B-5 |
| 7          | 133   | 100.0       | 29     | 14 | US-10-091-258-5  |
| 8          | 133   | 100.0       | 29     | 14 | US-10-055-259-5  |
| 9          | 133   | 100.0       | 29     | 15 | US-10-322-839-5  |
| 10         | 133   | 100.0       | 31     | 9  | US-09-876-388-2  |
| 11         | 133   | 100.0       | 31     | 9  | US-09-851-738-3  |
| 12         | 133   | 100.0       | 31     | 9  | US-09-805-507-3  |
| 13         | 133   | 100.0       | 31     | 9  | US-09-859-804-3  |
| 14         | 133   | 100.0       | 31     | 9  | US-09-982-978-3  |
| 15         | 133   | 100.0       | 31     | 9  | US-09-953-021B-3 |

|    |     |       |    |    |                  |
|----|-----|-------|----|----|------------------|
| 16 | 133 | 100.0 | 31 | 10 | US-09-834-229A-1 |
| 17 | 133 | 100.0 | 31 | 10 | US-09-997-792-1  |
| 18 | 133 | 100.0 | 31 | 10 | US-09-997-792-5  |
| 19 | 133 | 100.0 | 31 | 10 | US-09-997-792-11 |
| 20 | 133 | 100.0 | 31 | 10 | US-09-997-792-12 |
| 21 | 133 | 100.0 | 31 | 10 | US-09-997-792-16 |
| 22 | 133 | 100.0 | 31 | 10 | US-09-997-792-17 |
| 23 | 133 | 100.0 | 31 | 10 | US-09-997-792-18 |
| 24 | 133 | 100.0 | 31 | 10 | US-09-997-792-19 |
| 25 | 133 | 100.0 | 31 | 10 | US-09-997-792-20 |
| 26 | 133 | 100.0 | 31 | 10 | US-09-997-792-21 |
| 27 | 133 | 100.0 | 31 | 10 | US-09-997-792-22 |
| 28 | 133 | 100.0 | 31 | 10 | US-09-997-792-23 |
| 29 | 133 | 100.0 | 31 | 10 | US-09-997-792-29 |
| 30 | 133 | 100.0 | 31 | 12 | US-10-433-108-1  |
| 31 | 133 | 100.0 | 31 | 12 | US-09-858-880-4  |
| 32 | 133 | 100.0 | 31 | 12 | US-10-343-554-4  |
| 33 | 133 | 100.0 | 31 | 13 | US-10-072-540A-1 |
| 34 | 133 | 100.0 | 31 | 13 | US-10-072-540A-5 |
| 35 | 133 | 100.0 | 31 | 14 | US-10-093-958-19 |
| 36 | 133 | 100.0 | 31 | 14 | US-10-169-657-1  |
| 37 | 133 | 100.0 | 31 | 14 | US-10-169-657-5  |
| 38 | 133 | 100.0 | 31 | 14 | US-10-169-657-8  |
| 39 | 133 | 100.0 | 31 | 14 | US-10-169-657-9  |
| 40 | 133 | 100.0 | 31 | 14 | US-10-169-657-13 |
| 41 | 133 | 100.0 | 31 | 14 | US-10-169-657-15 |
| 42 | 133 | 100.0 | 31 | 14 | US-10-169-657-17 |
| 43 | 133 | 100.0 | 31 | 14 | US-10-169-657-19 |
| 44 | 133 | 100.0 | 31 | 14 | US-10-169-657-21 |
| 45 | 133 | 100.0 | 31 | 14 | US-10-169-657-23 |

#### ALIGNMENTS

#### RESULT 1

US-09-943-084-2  
; Sequence 2, Application US/09943084  
; Publication No. US20030050237A1  
; GENERAL INFORMATION:

APPLICANT: Kim, Yesook

Lambert, William J.

Qi, Hong

Gelfand, Robert A.

Geoghegan, Kieran P.

Parley, Dennis E.

TITLE OF INVENTION: Prolonged Delivery of Peptides

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pfizer Inc

STREET: 235 East 42nd Street, 20th Floor

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10017-5755

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/943,084

FILING DATE: 31-Aug-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/181,655

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Shevka, Robert E.

REGISTRATION NUMBER: 31,304

REFERENCE/DOCKET NUMBER: PC8391

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)573-1189

TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 2:  
LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-943-084-2

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Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26  
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RESULT 2  
US-09-851-738-5  
; Sequence 5, Application US/09851738  
; Patent No. US20020055460A1  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Ehlers, Mario R.W.  
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
; TITLE OF INVENTION: Ischemic and Reperfused Tissue  
; FILE REFERENCE: P03660US1  
; CURRENT APPLICATION NUMBER: US/09/851,738  
; PRIOR FILING DATE: 2001-05-09  
; PRIOR APPLICATION NUMBER: 09/302,596  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-851-738-5

Query Match 100.0%; Score 133; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.9e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAQKEFIAMLVKGRG 29  
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RESULT 3  
US-09-805-507-5  
; Sequence 5, Application US/09805507  
; Patent No. US20020098195A1  
; GENERAL INFORMATION:

; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/805,507  
; CURRENT FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 09/859,804  
; PRIOR FILING DATE: 2001-05-18  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form  
; OTHER INFORMATION: of GLP-1  
US-09-805-507-5

Query Match 100.0%; Score 133; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.9e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|||||  
DB 4 FTSDVSSYLEGQAQKEFIAMLVKGRG 29  
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RESULT 4  
US-09-859-804-5  
; Sequence 5, Application US/09859804  
; Patent No. US20020107206A1  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/859,804  
; CURRENT FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: 60/205,239  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form  
; OTHER INFORMATION: of GLP-1  
US-09-859-804-5

Query Match 100.0%; Score 133; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.9e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAQKEFIAMLVKGRG 29  
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RESULT 5  
US-09-982-978-5  
; Sequence 5, Application US/09982978  
; Patent No. US20020146405A1  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/982,978  
; CURRENT FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: 09/859,804

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; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-982-978-5

Query Match      100.0%; Score 133; DB 9; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.9e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGRG 29

RESULT 6
US-09-953-021B-5
; Sequence 5, Application US/09953021B
; Patent No. US20020147131A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas L.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Isch
; TITLE OF INVENTION: Reperfused Skeletal Muscle Tissue
; FILE REFERENCE: P036600S6
; CURRENT APPLICATION NUMBER: US/09/953,021B
; PRIOR FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-953-021B-5

Query Match      100.0%; Score 133; DB 9; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.9e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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   |||||
Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGRG 29

RESULT 7
US-10-091-258-5
; Sequence 5, Application US/10091258
; Publication No. US20030073626A1
; GENERAL INFORMATION:
; APPLICANT: Hathaway, David R
; APPLICANT: Coolidge, Thomas R
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL VASCULAR DISEASE
; FILE REFERENCE: RGN-2
; CURRENT APPLICATION NUMBER: US/10/091,258
; CURRENT FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: mammalian
US-10-091-258-5
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Query Match      100.0%; Score 133; DB 14; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.9e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGRG 29

RESULT 8
US-10-055-259-5
; Sequence 5, Application US/10055259
; Publication No. US20030091507A1
; GENERAL INFORMATION:
; APPLICANT: Holst, Jens J.
; APPLICANT: Vilsbøll, Tina
; TITLE OF INVENTION: GLP-1 AS A DIAGNOSTIC TEST TO DETERMINE Beta-CELL FUNCTION AND
; TITLE OF INVENTION: PRESENCE OF THE CONDITION OF IGT AND TYPE-II DIABETES
; FILE REFERENCE: P03987US1
; CURRENT APPLICATION NUMBER: US/10/055,259
; CURRENT FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-259-5

Query Match      100.0%; Score 133; DB 14; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.9e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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   |||||
Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGRG 29

RESULT 9
US-10-322-839-5
; Sequence 5, Application US/10322839
; Publication No. US20040002454A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: P05671US2
; CURRENT APPLICATION NUMBER: US/10/322,839
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
US-10-322-839-5

Query Match      100.0%; Score 133; DB 15; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.9e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKEFIAMLVKGRG 26
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Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGRG 29
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RESULT 10
US-09-876-388-2
; Sequence 2, Application US/09876388
; Patent No. US20020049153A1
; GENERAL INFORMATION:
; APPLICANT: Bridon, Dominique P.
; APPLICANT: L'Archeveque, Benoit
; APPLICANT: Ezrin, Alan M.
; APPLICANT: Holmes, Darren L.
; APPLICANT: Leblanc, Anouk
; APPLICANT: St. Pierre, Serge
; TITLE OF INVENTION: LONG LASTING INSULINOTROPIC PEPTIDES
; FILE REFERENCE: 500862001610
; CURRENT APPLICATION NUMBER: US/09/876,388
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/623,618
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: PCT/US00/19563
; PRIOR FILING DATE: 2000-05-17
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-876-388-2

Query Match      100.0%; Score 133; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIANLVKGRG 26
DB 6 FTSDVSSYLEGQAQAEFIANLVKGRG 31

RESULT 11
US-09-851-738-3
; Sequence 3, Application US/09851738
; Patent No. US20020055460A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of
; FILE REFERENCE: P03660U1
; CURRENT APPLICATION NUMBER: US/09/851,738
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: mammalian
US-09-851-738-3

Query Match      100.0%; Score 133; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIANLVKGRG 26
DB 6 FTSDVSSYLEGQAQAEFIANLVKGRG 31

RESULT 12
US-09-805-507-3
; Sequence 3, Application US/09805507
; Patent No. US20020098195A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/805,507
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP
; OTHER INFORMATION: Peptide
US-09-805-507-3

Query Match      100.0%; Score 133; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIANLVKGRG 26
DB 6 FTSDVSSYLEGQAQAEFIANLVKGRG 31

RESULT 13
US-09-859-804-3
; Sequence 3, Application US/09859804
; Patent No. US20020107206A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/859,804
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP
; OTHER INFORMATION: Peptide
US-09-859-804-3

Query Match      100.0%; Score 133; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIANLVKGRG 26
DB 6 FTSDVSSYLEGQAQAEFIANLVKGRG 31

RESULT 14
US-09-982-978-3
; Sequence 3, Application US/09982978
; Patent No. US20020146405A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/982,978
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP
; OTHER INFORMATION: Peptide
US-09-982-978-3

Query Match      100.0%; Score 133; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIANLVKGRG 26
DB 6 FTSDVSSYLEGQAQAEFIANLVKGRG 31
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; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/982,978
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP
; OTHER INFORMATION: peptide
US-09-982-978-3

Query Match      100.0%; Score 133; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVKGRG 26
DB 6 FTSDVSSYLEGQAQAEFIAMLVKGRG 31

RESULT 15
US-09-953-021B-3
; Sequence 3, Application US/09953021B
; Patent No. US20020147131A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas L.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Isch
; FILE REFERENCE: P03660US6
; CURRENT APPLICATION NUMBER: US/09/953,021B
; CURRENT FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-953-021B-3

Query Match      100.0%; Score 133; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVKGRG 26
DB 6 FTSDVSSYLEGQAQAEFIAMLVKGRG 31

Search completed: July 3, 2004, 00:51:49
Job time : 37.6273 secs
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GenCore version 5.1.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 3, 2004, 00:22:02 ; Search time 166.658 seconds

(without alignments)  
152.272 Million cell updates/sec

Title: US-09-943-084-2

Perfect score: 133

Sequence: 1 FTSVSSYLEGQAKEFTAWLVKGRG 26

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 6019581 seqs, 976053577 residues

Total number of hits satisfying chosen parameters: 6019581

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents\_AA\_Main:\*

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4: /cgn2_6/ptodata/2/paa/US08 COMB.pcp.*
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6: /cgn2_6/ptodata/2/paa/US08 COMB.pcp.*
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33: /cgn2_6/ptodata/2/paa/US08 COMB.pcp.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match length | ID | Description |
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|------------|-------|--------------------|----|-------------|

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|-----|-------|----|----|--------------------|--------------------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|
| 133 | 100.0 | 26 | 24 | US-09-943-084-2    | Sequence 2, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 1  | PCT-US02-13088-5   | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 20 | US-09-646-433-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 21 | US-09-719-410-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 23 | US-09-851-738-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 23 | US-09-859-804-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 25 | US-09-953-021-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 25 | US-09-953-021B-5   | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 25 | US-09-982-978-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 26 | US-10-055-259-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 26 | US-10-091-258-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 29 | US-10-322-839-5    | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 29 | 29 | US-09-206-833-78   | Sequence 78, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US01-43165-1   | Sequence 1, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-07011-19  | Sequence 19, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-13088-3   | Sequence 3, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-21325-3   | Sequence 3, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-25227-21  | Sequence 21, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-25227-22  | Sequence 22, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-25227-26  | Sequence 26, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-25227-27  | Sequence 27, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US02-25227-30  | Sequence 30, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
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| 133 | 100.0 | 31 | 1  | PCT-US03-00001-5   | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US03-00001-59  | Sequence 59, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US03-15395B-16 | Sequence 16, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US03-16470A-3  | Sequence 3, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US03-16643-32  | Sequence 32, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US03-16645-5   | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US03-26818-64  | Sequence 64, Appli |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US03-28093-2   | Sequence 2, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US97-01978-3   | Sequence 3, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
| 133 | 100.0 | 31 | 1  | PCT-US97-01978-5   | Sequence 5, Appli  |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |
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SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Shey'ka, Robert P.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 2:  
LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-943-084-2

Query Match 100.0%; Score 133; DB 24; Length 26;  
Best Local Similarity 100.0%; Pred. No. 8.4e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
DB 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26

RESULT 2  
PCT-US02-13088-5  
Sequence 5, Application PC/TUS0213088  
GENERAL INFORMATION:  
APPLICANT: Restoragen, Inc.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH  
TITLE OF INVENTION: RESISTANCE  
FILE REFERENCE: RGN-3  
CURRENT APPLICATION NUMBER: PCT/US02/13088  
CURRENT FILING DATE: 2002-04-24  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 5  
LENGTH: 29  
TYPE: PRT  
ORGANISM: mammalian  
PCT-US02-13088-5

Query Match 100.0%; Score 133; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 9.5e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
DB 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

RESULT 3  
US-09-646-433-5  
Sequence 5, Application US/09646433  
GENERAL INFORMATION:  
APPLICANT: Goke, Burkhard  
TITLE OF INVENTION: HUMAN APPETITE CONTROL BY GLUCAGON-LIKE PEPTIDE RECEPTOR BINDIN  
FILE REFERENCE: P03893US1  
CURRENT APPLICATION NUMBER: US/09/646,433  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: US 60/189,091  
PRIOR FILING DATE: 2000-03-14  
PRIOR APPLICATION NUMBER: PCT/US99/05571  
PRIOR FILING DATE: 1999-03-16  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 5  
LENGTH: 29  
TYPE: PRT  
ORGANISM: Unknown  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1  
US-09-646-433-5

Query Match 100.0%; Score 133; DB 20; Length 29;  
Best Local Similarity 100.0%; Pred. No. 9.5e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
DB 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

RESULT 4  
US-09-719-410-5  
Sequence 5, Application US/09719410  
GENERAL INFORMATION:  
APPLICANT: Goke, Burkhard  
TITLE OF INVENTION: Glucagon-Like Peptide-1 Improves the Ability of the  
TITLE OF INVENTION: B-Cell to Sense and Respond to Glucose in Subjects with  
TITLE OF INVENTION: Impaired Glucose Tolerance  
FILE REFERENCE: P03986US2  
CURRENT APPLICATION NUMBER: US/09/719,410  
CURRENT FILING DATE: 2000-12-12  
PRIOR APPLICATION NUMBER: PCT/US99/10040  
PRIOR FILING DATE: 1999-05-07  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 29  
TYPE: PRT  
ORGANISM: mammalian  
US-09-719-410-5

Query Match 100.0%; Score 133; DB 21; Length 29;  
Best Local Similarity 100.0%; Pred. No. 9.5e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
DB 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

RESULT 5  
US-09-851-738-5  
Sequence 5, Application US/09851738  
GENERAL INFORMATION:

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/ APPLICANT: Coolidge, Thomas R.
/ APPLICANT: Ehlers, Mario R.W.
/ TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of
/ TITLE OF INVENTION: Ischemic and Reperfused Tissue
/ FILE REFERENCE: P03660U51
/ CURRENT APPLICATION NUMBER: US/09/851,738
/ CURRENT FILING DATE: 2001-05-09
/ PRIOR APPLICATION NUMBER: 09/302,596
/ PRIOR FILING DATE: 1999-04-30
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 5
/ LENGTH: 29
/ TYPE: PRT
/ ORGANISM: mammalian
US-09-851-738-5

Query Match      100.0%; Score 133; DB 23; Length 29;
Best Local Similarity 100.0%; Pred. No. 9.5e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 29

RESULT 6
US-09-859-804-5
/ Sequence 5, Application US/09859804
/ GENERAL INFORMATION:
/ APPLICANT: COOLIDGE, THOMAS R.
/ APPLICANT: EHLERS, MARIO
/ TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
/ FILE REFERENCE: 089187/0395
/ CURRENT APPLICATION NUMBER: US/09/859,804
/ CURRENT FILING DATE: 2001-05-18
/ PRIOR APPLICATION NUMBER: 60/205,239
/ PRIOR FILING DATE: 2000-05-19
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 5
/ LENGTH: 29
/ TYPE: PRT
/ ORGANISM: Unknown Organism
/ FEATURE:
/ OTHER INFORMATION: Description of Unknown Organism: Truncated form
/ OTHER INFORMATION: of GLP-1
US-09-859-804-5

Query Match      100.0%; Score 133; DB 23; Length 29;
Best Local Similarity 100.0%; Pred. No. 9.5e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 26
Db 4 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 29

RESULT 7
US-09-953-021-5
/ Sequence 5, Application US/09953021
/ GENERAL INFORMATION:
/ APPLICANT: Coolidge, Thomas R.
/ APPLICANT: Ehlers, Mario R.W.
/ TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the
/ TITLE OF INVENTION: Function of
/ TITLE OF INVENTION: Ischemic and Reperfused Tissue
/ FILE REFERENCE: P03660U51
/ CURRENT APPLICATION NUMBER: US/09/953,021
/ CURRENT FILING DATE: 2001-09-11
/ PRIOR APPLICATION NUMBER: 09/302,596
/ PRIOR FILING DATE: 1999-04-30
/ NUMBER OF SEQ ID NOS: 13
US-09-953-021-5
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/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 5
/ LENGTH: 29
/ TYPE: PRT
/ ORGANISM: mammalian
US-09-953-021-5

Query Match      100.0%; Score 133; DB 25; Length 29;
Best Local Similarity 100.0%; Pred. No. 9.5e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 26
Db 4 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 29

RESULT 8
US-09-953-021B-5
/ Sequence 5, Application US/09953021B
/ GENERAL INFORMATION:
/ APPLICANT: Coolidge, Thomas L.
/ APPLICANT: Ehlers, Mario R.W.
/ TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Is
/ TITLE OF INVENTION: Reperfused Skeletal Muscle Tissue
/ FILE REFERENCE: P03660U56
/ CURRENT APPLICATION NUMBER: US/09/953,021B
/ CURRENT FILING DATE: 2001-09-11
/ PRIOR APPLICATION NUMBER: 09/302,596
/ PRIOR FILING DATE: 1999-04-30
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 5
/ LENGTH: 29
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ OTHER INFORMATION: Description of Unknown Organism: Truncated form
/ OTHER INFORMATION: of GLP-1
US-09-953-021B-5

Query Match      100.0%; Score 133; DB 25; Length 29;
Best Local Similarity 100.0%; Pred. No. 9.5e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 26
Db 4 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 29

RESULT 9
US-09-982-978-5
/ Sequence 5, Application US/09982978
/ GENERAL INFORMATION:
/ APPLICANT: COOLIDGE, THOMAS R.
/ APPLICANT: EHLERS, MARIO
/ TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
/ FILE REFERENCE: 089187/0395
/ CURRENT APPLICATION NUMBER: US/09/982,978
/ CURRENT FILING DATE: 2001-10-22
/ PRIOR APPLICATION NUMBER: 09/859,804
/ PRIOR FILING DATE: 2001-05-18
/ PRIOR APPLICATION NUMBER: 60/205,239
/ PRIOR FILING DATE: 2000-05-19
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 5
/ LENGTH: 29
/ TYPE: PRT
/ ORGANISM: Unknown Organism
/ FEATURE:
/ OTHER INFORMATION: Description of Unknown Organism: Truncated form
/ OTHER INFORMATION: of GLP-1
US-09-982-978-5

Query Match      100.0%; Score 133; DB 25; Length 29;
Best Local Similarity 100.0%; Pred. No. 9.5e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 26
Db 4 FTSDVSSYLEGQAQAKFIAPLWVKGKRG 29
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Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

## RESULT 10

US-10-055-259-5  
Sequence 5, Application US/10055259

GENERAL INFORMATION:

APPLICANT: Holst, Jens J.

APPLICANT: Vilsboll, Tina

TITLE OF INVENTION: GLP-1 AS A DIAGNOSTIC TEST TO DETERMINE Beta-CELL FUNCTION AND TH

FILE REFERENCE: P03987US1

CURRENT APPLICATION NUMBER: US/10/055,259

CURRENT FILING DATE: 2002-06-21

NUMBER OF SEQ ID NOS: 13

SOFTWARE: PatentIn version 3.1

SEQ ID NO 5

LENGTH: 29

TYPE: PRT

ORGANISM: Homo sapiens

US-10-055-259-5

Query Match 100.0%; Score 133; DB 26; Length 29;

Best Local Similarity 100.0%; Pred. No. 9.5e-13;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

## RESULT 11

US-10-091-258-5

Sequence 5, Application US/10091258

GENERAL INFORMATION:

APPLICANT: Hathaway, David R

APPLICANT: Coolidge, Thomas R

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL VASCULAR DISEASE

FILE REFERENCE: RGN-2

CURRENT APPLICATION NUMBER: US/10/091,258

CURRENT FILING DATE: 2002-03-05

NUMBER OF SEQ ID NOS: 13

SOFTWARE: PatentIn version 3.1

SEQ ID NO 5

LENGTH: 29

TYPE: PRT

ORGANISM: mammalian

US-10-091-258-5

Query Match 100.0%; Score 133; DB 26; Length 29;

Best Local Similarity 100.0%; Pred. No. 9.5e-13;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

## RESULT 12

US-10-322-839-5

Sequence 5, Application US/10322839

GENERAL INFORMATION:

APPLICANT: Coolidge, Thomas R.

APPLICANT: Ehlers, Mario

APPLICANT: Ehlers, Mario

TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1

FILE REFERENCE: P05671US2

CURRENT APPLICATION NUMBER: US/10/322,839

CURRENT FILING DATE: 2002-12-18

PRIOR APPLICATION NUMBER: US 09/859,804  
PRIOR FILING DATE: 2001-05-18  
PRIOR APPLICATION NUMBER: US 60/205,239  
PRIOR FILING DATE: 2000-05-19  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 5  
LENGTH: 29  
TYPE: PRT  
ORGANISM: Unknown  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1  
US-10-322-839-5

Query Match 100.0%; Score 133; DB 29; Length 29;

Best Local Similarity 100.0%; Pred. No. 9.5e-13;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGRG 29

## RESULT 13

US-09-206-833-78

Sequence 78, Application US/09206833A

GENERAL INFORMATION:

APPLICANT: DONG, ZHENG XIN

APPLICANT: COY, DAVID H.

TITLE OF INVENTION: GLP-1 ANALOGUES

FILE REFERENCE: 00537/187001

CURRENT APPLICATION NUMBER: US/09/206,833A

CURRENT FILING DATE: 1998-12-07

NUMBER OF SEQ ID NOS: 165

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 78

LENGTH: 30

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Mutagen

FEATURE:

NAME/KEY: MOD\_RES

LOCATION: (1)

OTHER INFORMATION: N-methyl-alanine

US-09-206-833-78

Query Match 100.0%; Score 133; DB 16; Length 30;

Best Local Similarity 100.0%; Pred. No. 9.9e-13;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKGRG 26  
Db 5 FTSDVSSYLEGQAAKEFIAMLVKGRG 30

## RESULT 14

PCT-US01-43165-1

Sequence 1, Application PC/TUS0143165

GENERAL INFORMATION:

APPLICANT: Eli Lilly and Company

TITLE OF INVENTION: GLP-1 FUSION PROTEINS

FILE REFERENCE: X-13991

CURRENT APPLICATION NUMBER: PCT/US01/43165

CURRENT FILING DATE: 2002-10-10

PRIOR APPLICATION NUMBER: US 60/251,954

PRIOR FILING DATE: 2000-06-12

NUMBER OF SEQ ID NOS: 35

SOFTWARE: PatentIn version 3.1

SEQ ID NO 1

LENGTH: 31

TYPE: PRT

ORGANISM: Homo sapiens

PCT-US01-43165-1

Query Match 100.0%; Score 133; DB 1; Length 31;  
Best Local Similarity 100.0%; Pred. No. 1e-12;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEPIAWLVKRG 26  
DB 6 FTSDVSSYLEGQAQKEPIAWLVKRG 31

RESULT 15

PCT-US02-07011-19  
; Sequence 19, Application PC/TUS0207011  
; GENERAL INFORMATION:  
; APPLICANT: Lexigen Pharmaceuticals Corp.  
; APPLICANT: Gillies, Stephen  
; APPLICANT: Way, Jeffrey  
; TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype A  
; TITLE OF INVENTION: Moisty  
; FILE REFERENCE: LEX-018FC  
; CURRENT APPLICATION NUMBER: PCT/US02/07011  
; CURRENT FILING DATE: 2002-03-07  
; PRIOR APPLICATION NUMBER: US 60/274,096  
; PRIOR FILING DATE: 2001-03-07  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 19  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: artificial sequence  
; FEATURE:  
; OTHER INFORMATION: glucagon-like peptide 1  
PCT-US02-07011-19

Query Match 100.0%; Score 133; DB 1; Length 31;  
Best Local Similarity 100.0%; Pred. No. 1e-12;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEPIAWLVKRG 26  
DB 6 FTSDVSSYLEGQAQKEPIAWLVKRG 31

Search completed: July 3, 2004, 00:46:13  
Job time : 166.658 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 3, 2004, 00:25:27 ; Search time 12.2733 Seconds  
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105.442 Million cell updates/sec

Title: US-09-943-084-2  
Perfect score: 133  
Sequence: 1 FTSDVSSYLEGQAAKEFIATLVKGRG 26

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 327902 seqs, 49773865 residues

Total number of hits satisfying chosen parameters: 327902

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents AA, New:\*  
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2: /cgn2.6/prodata/2/paa/US06\_NEW\_COMB.pep.\*  
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7: /cgn2.6/prodata/2/paa/US60\_NEW\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description        |
|------------|-------|-------------|--------|----|--------------------|
| 1          | 133   | 100.0       | 31     | 1  | PCT-US04-04421-776 |
| 2          | 133   | 100.0       | 31     | 1  | PCT-US04-06082-1   |
| 3          | 133   | 100.0       | 31     | 5  | US-09-716-166-13   |
| 4          | 133   | 100.0       | 31     | 6  | US-10-485-619-3    |
| 5          | 133   | 100.0       | 31     | 6  | US-10-291-226A-123 |
| 6          | 133   | 100.0       | 31     | 6  | US-10-291-226A-124 |
| 7          | 133   | 100.0       | 31     | 6  | US-10-722-733-2    |
| 8          | 133   | 100.0       | 31     | 6  | US-10-716-326-21   |
| 9          | 133   | 100.0       | 31     | 6  | US-10-716-326-22   |
| 10         | 133   | 100.0       | 31     | 6  | US-10-716-326-26   |
| 11         | 133   | 100.0       | 31     | 6  | US-10-716-326-27   |
| 12         | 133   | 100.0       | 31     | 6  | US-10-811-646-1    |
| 13         | 133   | 100.0       | 31     | 6  | US-10-715-976-21   |
| 14         | 133   | 100.0       | 31     | 6  | US-10-715-976-22   |
| 15         | 133   | 100.0       | 31     | 6  | US-10-715-976-26   |
| 16         | 133   | 100.0       | 31     | 6  | US-10-715-976-27   |
| 17         | 133   | 100.0       | 31     | 6  | US-60-549-567-64   |
| 18         | 133   | 100.0       | 31     | 7  | PCT-US04-04421-777 |
| 19         | 133   | 100.0       | 32     | 1  | PCT-US04-06462-88  |
| 20         | 133   | 100.0       | 32     | 6  | US-10-291-226A-147 |
| 21         | 133   | 100.0       | 32     | 6  | US-10-716-326-33   |
| 22         | 133   | 100.0       | 32     | 6  | US-10-715-976-33   |
| 23         | 133   | 100.0       | 32     | 6  | US-10-715-976-32   |
| 24         | 133   | 100.0       | 35     | 6  | US-10-716-326-32   |
| 25         | 133   | 100.0       | 35     | 6  | US-10-715-976-32   |
| 26         | 133   | 100.0       | 36     | 6  | US-10-716-326-31   |

|    |     |       |    |   |                    |                    |
|----|-----|-------|----|---|--------------------|--------------------|
| 27 | 133 | 100.0 | 36 | 6 | US-10-715-976-31   | Sequence 31, Appl  |
| 28 | 133 | 100.0 | 37 | 6 | US-10-291-226A-122 | Sequence 122, Appl |
| 29 | 133 | 100.0 | 37 | 6 | US-10-723-099A-1   | Sequence 1, Appl   |
| 30 | 133 | 100.0 | 37 | 6 | US-10-722-733-1    | Sequence 1, Appl   |
| 31 | 133 | 100.0 | 48 | 6 | US-10-716-326-2    | Sequence 2, Appl   |
| 32 | 133 | 100.0 | 48 | 6 | US-10-715-976-2    | Sequence 2, Appl   |
| 33 | 133 | 100.0 | 51 | 6 | US-10-716-326-14   | Sequence 14, Appl  |
| 34 | 133 | 100.0 | 51 | 6 | US-10-715-976-14   | Sequence 14, Appl  |
| 35 | 133 | 100.0 | 55 | 6 | US-10-716-326-16   | Sequence 16, Appl  |
| 36 | 133 | 100.0 | 55 | 6 | US-10-715-976-16   | Sequence 16, Appl  |
| 37 | 133 | 100.0 | 77 | 6 | US-10-716-326-6    | Sequence 6, Appl   |
| 38 | 133 | 100.0 | 77 | 6 | US-10-716-326-18   | Sequence 18, Appl  |
| 39 | 133 | 100.0 | 77 | 6 | US-10-715-976-6    | Sequence 6, Appl   |
| 40 | 133 | 100.0 | 77 | 6 | US-10-715-976-18   | Sequence 18, Appl  |
| 41 | 133 | 100.0 | 78 | 6 | US-10-716-326-4    | Sequence 4, Appl   |
| 42 | 133 | 100.0 | 78 | 6 | US-10-715-976-4    | Sequence 4, Appl   |
| 43 | 133 | 100.0 | 79 | 6 | US-10-716-326-12   | Sequence 12, Appl  |
| 44 | 133 | 100.0 | 79 | 6 | US-10-715-976-12   | Sequence 12, Appl  |
| 45 | 133 | 100.0 | 80 | 6 | US-10-716-326-20   | Sequence 20, Appl  |

ALIGNMENTS

RESULT 1  
PCT-US04-04421-776  
; Sequence 776, Application PC/TUS0404421  
; GENERAL INFORMATION:  
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
; APPLICANT: SOCIETES SCIENTIFIQUES, S.A.S  
; APPLICANT: DONG, ZHENG ZIN  
; TITLE OF INVENTION: ANALOGUES OF GLP-1  
; FILE REFERENCE: 129P-PCT2  
; CURRENT APPLICATION NUMBER: PCT/US04/04421  
; CURRENT FILING DATE: 2004-02-17  
; NUMBER OF SEQ ID NOS: 781  
; PRIOR APPLICATION NUMBER: 60/449,203  
; PRIOR FILING DATE: 2003-02-19  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 776  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Illustrative hGLP-1(7-37)  
; FEATURE:  
; OTHER INFORMATION: c-term may or may not be amidated  
PCT-US04-04421-776

Query Match 100.0%; Score 133; DB 1; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIATLVKGRG 26  
Db 6 FTSDVSSYLEGQAAKEFIATLVKGRG 31

RESULT 2  
PCT-US04-06082-1  
; Sequence 1, Application PC/TUS0406082  
; GENERAL INFORMATION:  
; APPLICANT: Eli Lilly and Company  
; TITLE OF INVENTION: Polyethylene Glycol Linked GLP-1 Compounds  
; FILE REFERENCE: X-16020  
; CURRENT APPLICATION NUMBER: PCT/US04/06082  
; CURRENT FILING DATE: 2004-03-23  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Homo sapiens

PCT-US04-06082-1

Query Match 100.0%; Score 133; DB 1; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKRG 31

## RESULT 3

US-09-716-166-13  
; Sequence 13, Application US/09716166  
; GENERAL INFORMATION:  
; APPLICANT: Treco, Douglas A.  
; APPLICANT: Concino, Michael F.  
; APPLICANT: Duguay, Stephen J.  
; TITLE OF INVENTION: NUCLEIC ACID CONSTRUCT FOR OPTIMIZED  
; FILE REFERENCE: 10278-014001  
; CURRENT APPLICATION NUMBER: US/09/716,166  
; CURRENT FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 60/166,508  
; PRIOR FILING DATE: 1999-11-19  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-716-166-13

Query Match 100.0%; Score 133; DB 5; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKRG 31

## RESULT 4

US-10-485-619-3  
; Sequence 3, Application US/10485619  
; GENERAL INFORMATION:  
; APPLICANT: Eli Lilly & Company  
; TITLE OF INVENTION: Glucagon-Like Peptide-1 Analogs  
; FILE REFERENCE: X-15045  
; CURRENT APPLICATION NUMBER: US/10/485,619  
; CURRENT FILING DATE: 2004-01-29  
; PRIOR APPLICATION NUMBER: 60/314,573  
; PRIOR FILING DATE: 2001-08-23  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-485-619-3

Query Match 100.0%; Score 133; DB 6; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKRG 31

## RESULT 5

US-10-291-226A-123  
; Sequence 123, Application US/10291226A

## ; GENERAL INFORMATION:

; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226A  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 123  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Gly8-GLP-1(7-37)  
US-10-291-226A-123

Query Match 100.0%; Score 133; DB 6; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKRG 31

## RESULT 6

US-10-291-226A-124  
; Sequence 124, Application US/10291226A  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226A  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 124  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: GLP-1(7-37)  
US-10-291-226A-124

Query Match 100.0%; Score 133; DB 6; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKRG 31

## RESULT 7

US-10-723-099A-2  
; Sequence 2, Application US/10723099A  
; GENERAL INFORMATION:  
; APPLICANT: Bridon, Dominique P.  
; APPLICANT: L'Archeveque, Benoit  
; APPLICANT: Ezrin, Alan M.  
; APPLICANT: Holmes, Darren L.  
; APPLICANT: Leblanc, Anouk  
; APPLICANT: St. Pierre, Serge  
; TITLE OF INVENTION: LONG LASTING SYNTHETIC GLUCAGON LIKE PEPTIDE (GLP-1)  
; FILE REFERENCE: 500862001602





; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders  
; FILE REFERENCE: 5062CIP  
; CURRENT APPLICATION NUMBER: US/10/716,326  
; CURRENT FILING DATE: 2003-11-17  
; PRIOR APPLICATION NUMBER: US 10/215,272  
; PRIOR FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; PRIOR FILING DATE: 2001-08-08  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 26  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; Val8-GLP-1 (7-37)  
US-10-716-326-26

Query Match 100.0%; Score 133; DB 6; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGRG 31

## RESULT 12

US-10-716-326-27  
; Sequence 27, Application US/10716326  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders  
; FILE REFERENCE: 5062CIP  
; CURRENT APPLICATION NUMBER: US/10/716,326  
; CURRENT FILING DATE: 2003-11-17  
; PRIOR APPLICATION NUMBER: US 10/215,272  
; PRIOR FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; PRIOR FILING DATE: 2001-08-08  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 27  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; Gln9-GLP-1 (7-37)  
US-10-716-326-27

Query Match 100.0%; Score 133; DB 6; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGRG 31

## RESULT 13

US-10-811-646-1  
; Sequence 1, Application US/10811646  
; GENERAL INFORMATION:  
; APPLICANT: Efendic, Suad  
; TITLE OF INVENTION: USE OF GLP-1 OR ANALOGS IN TREATMENT OF MYOCARDIAL INFARCTION  
; FILE REFERENCE: X-10822A

; CURRENT APPLICATION NUMBER: US/10/811,646  
; CURRENT FILING DATE: 2004-03-29  
; PRIOR APPLICATION NUMBER: US 60/024,980  
; PRIOR FILING DATE: 1996-08-30  
; PRIOR APPLICATION NUMBER: US 08/915,918  
; PRIOR FILING DATE: 1997-08-21  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-811-646-1

Query Match 100.0%; Score 133; DB 6; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGRG 31

## RESULT 14

US-10-715-976-21  
; Sequence 21, Application US/10715976  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders  
; FILE REFERENCE: 5121  
; CURRENT APPLICATION NUMBER: US/10/715,976  
; CURRENT FILING DATE: 2003-11-17  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 21  
; LENGTH: 31  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: GLP-1 (7-37)  
US-10-715-976-21

Query Match 100.0%; Score 133; DB 6; Length 31;  
Best Local Similarity 100.0%; Pred. No. 2.2e-13;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKGRG 26  
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGRG 31

## RESULT 15

US-10-715-976-22  
; Sequence 22, Application US/10715976  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders  
; FILE REFERENCE: 5121  
; CURRENT APPLICATION NUMBER: US/10/715,976  
; CURRENT FILING DATE: 2003-11-17  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 22  
; LENGTH: 31  
; TYPE: PRT

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; Gly8-GLP-1 (7-37)
US-10-715-976-22
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Query Match      100.0%; Score 133; DB 6; Length 31;
Best Local Similarity 100.0%; Pred. NO. 2.2e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 FTSDVSSYLEGQAQKEFIWLVKRG 26
      |||||
Db       6 FTSDVSSYLEGQAQKEFIWLVKRG 31
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Search completed: July 3, 2004, 00:47:42
Job time : 12.2733 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 3, 2004, 00:21:27 ; Search time 13.4037 Seconds  
(without alignments)  
100.142 Million cell updates/sec

Title: US-09-943-084-3

Perfect score: 128  
Sequence: 1 7FTSDVSSYLEGQAAKFIAMLVKGR 26

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
|------------|-------|-------------|--------|----|-------------------|
| 1          | 127   | 99.2        | 28     | 1  | US-08-297-731-9   |
| 2          | 127   | 99.2        | 28     | 3  | US-09-302-596-6   |
| 3          | 127   | 99.2        | 28     | 4  | US-09-333-415-6   |
| 4          | 127   | 99.2        | 28     | 4  | US-09-303-016-6   |
| 5          | 127   | 99.2        | 28     | 4  | US-09-614-847-125 |
| 6          | 127   | 99.2        | 28     | 4  | US-09-805-507-6   |
| 7          | 127   | 99.2        | 28     | 5  | PCT-US95-10793-9  |
| 8          | 127   | 99.2        | 29     | 1  | US-08-297-731-10  |
| 9          | 127   | 99.2        | 29     | 1  | US-08-297-731-11  |
| 10         | 127   | 99.2        | 29     | 3  | US-09-302-596-5   |
| 11         | 127   | 99.2        | 29     | 4  | US-09-333-415-5   |
| 12         | 127   | 99.2        | 29     | 4  | US-09-303-016-5   |
| 13         | 127   | 99.2        | 29     | 4  | US-09-805-507-5   |
| 14         | 127   | 99.2        | 29     | 5  | PCT-US95-10793-10 |
| 15         | 127   | 99.2        | 29     | 5  | PCT-US95-10793-11 |
| 16         | 127   | 99.2        | 30     | 1  | US-08-066-480-6   |
| 17         | 127   | 99.2        | 30     | 1  | US-08-095-162-1   |
| 18         | 127   | 99.2        | 30     | 1  | US-08-297-731-12  |
| 19         | 127   | 99.2        | 30     | 1  | US-08-470-220A-1  |
| 20         | 127   | 99.2        | 30     | 2  | US-08-927-227-1   |
| 21         | 127   | 99.2        | 30     | 3  | US-08-967-374-1   |
| 22         | 127   | 99.2        | 30     | 3  | US-09-348-136-1   |
| 23         | 127   | 99.2        | 30     | 3  | US-08-961-405A-5  |
| 24         | 127   | 99.2        | 30     | 3  | US-08-915-918A-5  |
| 25         | 127   | 99.2        | 30     | 3  | US-09-302-596-4   |
| 26         | 127   | 99.2        | 30     | 3  | US-08-472-349-3   |
| 27         | 127   | 99.2        | 30     | 4  | US-09-333-415-4   |

28 127 99.2 30 4 US-09-585-181A-4 Sequence 4, Appli  
29 127 99.2 30 4 US-09-209-789D-10 Sequence 10, Appli  
30 127 99.2 30 4 US-09-209-789D-15 Sequence 15, Appli  
31 127 99.2 30 4 US-09-209-789D-27 Sequence 27, Appli  
32 127 99.2 30 4 US-09-975-905-1 Sequence 1, Appli  
33 127 99.2 30 4 US-09-505-991-1 Sequence 1, Appli  
34 127 99.2 30 4 US-09-573-809-1 Sequence 1, Appli  
35 127 99.2 30 4 US-09-303-016-4 Sequence 4, Appli  
36 127 99.2 30 4 US-09-212-663-4 Sequence 4, Appli  
37 127 99.2 30 4 US-08-614-847-87 Sequence 87, Appli  
38 127 99.2 30 4 US-09-614-847-112 Sequence 112, App  
39 127 99.2 30 4 US-09-614-847-113 Sequence 113, App  
40 127 99.2 30 4 US-09-614-847-114 Sequence 114, App  
41 127 99.2 30 4 US-09-997-792A-8 Sequence 8, Appli  
42 127 99.2 30 4 US-09-997-792A-13 Sequence 13, Appli  
43 127 99.2 30 4 US-09-997-792A-24 Sequence 24, Appli  
44 127 99.2 30 4 US-09-805-507-4 Sequence 4, Appli  
45 127 99.2 30 4 US-09-585-186A-5 Sequence 5, Appli

#### ALIGNMENTS

RESULT 1  
US-08-297-731-9  
; Sequence 9, Application US/08297731  
; Patent No. 5574008  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, William T.  
; APPLICANT: Yakubu-Madus, Fatima B.  
; TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
; TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Eli Lilly and Company/RSM  
; STREET: Lilly Corporate Center  
; CITY: Indianapolis  
; STATE: IN  
; COUNTRY: USA  
; ZIP: 46285  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA: US/08/297,731  
; FILING DATE:  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maciak, Ronald S.  
; REGISTRATION NUMBER: 35,262  
; REFERENCE/DOCKET NUMBER: X9630  
; TELEPHONE: 317-276-1664  
; TELEFAX: 317-277-1917  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 27..28  
; OTHER INFORMATION: /note= "C-terminal amide"  
US-08-297-731-9

Query Match 99.2%; Score 127; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 5.6e-13;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26
Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 2
US-09-302-596-6
; Sequence 6, Application US/09302596
; Patent No. 6284725
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of
; TITLE OF INVENTION: Ischemic and Reperfused Tissue
; FILE REFERENCE: P03660US1
; CURRENT APPLICATION NUMBER: US/09/302,596
; CURRENT FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/103,498
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
US-09-302-596-6

Query Match 99.2%; Score 127; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 5.6e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26
Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 3
US-09-333-415-6
; Sequence 6, Application US/09333415
; Patent No. 634180
; GENERAL INFORMATION:
; APPLICANT: Holst, Jens J.
; APPLICANT: Vilsbøll, Tina
; TITLE OF INVENTION: GLP-1 as a Diagnostic Test to Determine Beta-Cell
; TITLE OF INVENTION: Function and the Presence of the Condition of IGT and
; TITLE OF INVENTION: Type-II Diabetes
; FILE REFERENCE: P03987US0
; CURRENT APPLICATION NUMBER: US/09/333,415
; CURRENT FILING DATE: 1999-06-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-333-415-6

Query Match 99.2%; Score 127; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 5.6e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26
Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 4
US-09-303-016-6
; Sequence 6, Application US/09303016
; Patent No. 6429197
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.

```

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; TITLE OF INVENTION: Metabolic Intervention with GLP-1 or its Biologically
; TITLE OF INVENTION: Active Analogues to Improve the Function of the
; TITLE OF INVENTION: Ischemic and Reperfused Brain
; FILE REFERENCE: P03660US2
; CURRENT APPLICATION NUMBER: US/09/303,016
; CURRENT FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/103,498
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-303-016-6

Query Match 99.2%; Score 127; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 5.6e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26
Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 5
US-09-614-847-125
; Sequence 125, Application US/09614847
; Patent No. 6528486
; GENERAL INFORMATION:
; APPLICANT: Larsen, Bjarne Due
; APPLICANT: Mikkelsen, Jens Mollgaard
; APPLICANT: Neve, Soren
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY
; FILE REFERENCE: 55511(45487)
; CURRENT APPLICATION NUMBER: US/09/614,847
; CURRENT FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/143,591
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 125
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)
US-09-614-847-125

Query Match 99.2%; Score 127; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 5.6e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26
Db 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 6
US-09-805-507-6
; Sequence 6, Application US/09805507
; Patent No. 6579851
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/805,507
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1

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SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Truncated form  
US-09-805-507-6

Query Match 99.2%; Score 127; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 5.6e-13;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAAKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 7  
PCT-US95-10793-9  
Sequence 9, Application PC/TUS9510793  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/10793  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 27-28  
OTHER INFORMATION: /note= "C-terminal amide"

Query Match 99.2%; Score 127; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 5.6e-13;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAAKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 8  
PCT-US95-10793-9  
Sequence 9, Application PC/TUS9510793  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

Query Match 99.2%; Score 127; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 5.6e-13;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAAKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 9  
PCT-US95-10793-9  
Sequence 11, Application US/08297731  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

US-08-297-731-10  
Sequence 10, Application US/08297731  
Patent No. 5574008  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/297,731  
FILING DATE:  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-297-731-10

Query Match 99.2%; Score 127; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 5.8e-13;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAAKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 9  
US-08-297-731-11  
Sequence 11, Application US/08297731  
Patent No. 5574008  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/08/297,731
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Maciak, Ronald S.
; REGISTRATION NUMBER: 35,262
; REFERENCE/DOCKET NUMBER: X9630
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 317-276-1664
; TELEFAX: 317-277-1917
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 28..29
; OTHER INFORMATION: /note= "C-terminal amide"
;
US-08-297-731-11

Query Match          99.2%; Score 127; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
Db  5 FTSDVSSYLEGQAQKEFIAMLVKGR 29

RESULT 10
US-09-302-596-5
; Sequence 5, Application US/09302596
; Patent No. 6284725
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of
; TITLE OF INVENTION: Ischemic and Reperfused Tissue
; FILE REFERENCE: P03660U51
; CURRENT APPLICATION NUMBER: US/09/302,596
; CURRENT FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/103,498
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: mammalian
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US-09-302-596-5

Query Match          99.2%; Score 127; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
Db  4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 11
US-09-333-415-5
; Sequence 5, Application US/09333415
; Patent No. 6344180
; GENERAL INFORMATION:
; APPLICANT: Holst, Jens J.
; APPLICANT: Vilsboll, Tina
; TITLE OF INVENTION: GLP-1 as a Diagnostic Test to Determine Beta-Cell
; TITLE OF INVENTION: Function and the Presence of the Condition of IGT and
; TITLE OF INVENTION: Type-II Diabetes

; APPLICATION NUMBER: US/09/333,415
; CURRENT FILING DATE: 1999-06-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-09-333-415-5

Query Match          99.2%; Score 127; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
Db  4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 12
US-09-303-016-5
; Sequence 5, Application US/09303016
; Patent No. 6429197
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 or its Biologically
; TITLE OF INVENTION: Active Analogues to Improve the Function of the
; TITLE OF INVENTION: Ischemic and Reperfused Brain
; FILE REFERENCE: P03660U52
; CURRENT APPLICATION NUMBER: US/09/303,016
; CURRENT FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/103,498
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-09-303-016-5

Query Match          99.2%; Score 127; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
Db  4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 13
US-09-805-507-5
; Sequence 5, Application US/09805507
; Patent No. 6579851
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/805,507
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
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RESULT 15
PCF-US95-10793-11
; Sequence 11, Application PC/TUS9510793
; GENERAL INFORMATION:
; APPLICANT: Johnson, William T.
; APPLICANT: Yakubu-Madus, Fatima E.
; TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF
; TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Eli Lilly and Company/RSM

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Search completed: July 3, 2004, 00:28:48  
Job time : 14.4037 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw mode!

Run on: July 3, 2004, 00:26:08 ; Search time 37.6273 Seconds  
(without alignments)  
215.093 Million cell updates/sec

Title: US-09-943-084-3

Perfect score: 128  
Sequence: 1 PFTSDVSSYLEQAAKEFIWLKGR 26

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1276540 seqs, 311293816 residues

Total number of hits satisfying chosen parameters: 1276540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:

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18: /cgm2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
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| 2          | 127   | 99.2        | 26     | 10 | US-09-943-084-3   |
| 3          | 127   | 99.2        | 28     | 9  | US-09-851-738-6   |
| 4          | 127   | 99.2        | 28     | 9  | US-09-805-507-6   |
| 5          | 127   | 99.2        | 28     | 9  | US-09-859-804-6   |
| 6          | 127   | 99.2        | 28     | 9  | US-09-982-978-6   |
| 7          | 127   | 99.2        | 28     | 9  | US-09-953-021B-6  |
| 8          | 127   | 99.2        | 28     | 14 | US-10-091-258-6   |
| 9          | 127   | 99.2        | 28     | 14 | US-10-055-259-6   |
| 10         | 127   | 99.2        | 28     | 15 | US-10-322-839-6   |
| 11         | 127   | 99.2        | 28     | 16 | US-10-291-226-125 |
| 12         | 127   | 99.2        | 29     | 9  | US-09-851-738-5   |
| 13         | 127   | 99.2        | 29     | 9  | US-09-805-507-5   |
| 14         | 127   | 99.2        | 29     | 9  | US-09-859-804-5   |
| 15         | 127   | 99.2        | 29     | 9  | US-09-982-978-5   |

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| 19 | 127 | 99.2 | 29 | 15 | US-10-322-839-5   |
| 20 | 127 | 99.2 | 30 | 9  | US-09-851-738-4   |
| 21 | 127 | 99.2 | 30 | 9  | US-09-805-507-4   |
| 22 | 127 | 99.2 | 30 | 9  | US-09-859-804-4   |
| 23 | 127 | 99.2 | 30 | 9  | US-09-982-978-4   |
| 24 | 127 | 99.2 | 30 | 9  | US-09-953-021B-4  |
| 25 | 127 | 99.2 | 30 | 10 | US-09-834-229A-5  |
| 26 | 127 | 99.2 | 30 | 10 | US-09-997-792-15  |
| 27 | 127 | 99.2 | 30 | 10 | US-09-997-792-15  |
| 28 | 127 | 99.2 | 30 | 10 | US-09-997-792-27  |
| 29 | 127 | 99.2 | 30 | 12 | US-10-393-524A-18 |
| 30 | 127 | 99.2 | 30 | 12 | US-10-393-524A-19 |
| 31 | 127 | 99.2 | 30 | 12 | US-10-393-524A-20 |
| 32 | 127 | 99.2 | 30 | 12 | US-09-858-880-2   |
| 33 | 127 | 99.2 | 30 | 12 | US-10-201-288-28  |
| 34 | 127 | 99.2 | 30 | 13 | US-10-072-540A-4  |
| 35 | 127 | 99.2 | 30 | 13 | US-10-125-255-1   |
| 36 | 127 | 99.2 | 30 | 14 | US-10-091-258-4   |
| 37 | 127 | 99.2 | 30 | 14 | US-10-055-259-4   |
| 38 | 127 | 99.2 | 30 | 14 | US-10-265-345A-2  |
| 39 | 127 | 99.2 | 30 | 14 | US-10-097-230-3   |
| 40 | 127 | 99.2 | 30 | 15 | US-10-378-094-48  |
| 41 | 127 | 99.2 | 30 | 15 | US-10-345-751-2   |
| 42 | 127 | 99.2 | 30 | 15 | US-10-322-839-4   |
| 43 | 127 | 99.2 | 30 | 15 | US-10-215-272-25  |
| 44 | 127 | 99.2 | 30 | 15 | US-10-629-261-1   |
| 45 | 127 | 99.2 | 30 | 15 | US-10-629-261-66  |

#### ALIGNMENTS

#### RESULT 1

US-09-943-084-2  
Sequence 2, Application US/09943084  
Publication No. US20030050237A1  
GENERAL INFORMATION:

APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.

TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/943,084

FILING DATE: 31-Aug-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/181,655

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Sheykha, Robert F.

REGISTRATION NUMBER: 31,304

REFERENCE/DOCKET NUMBER: PC8391

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)573-1189



TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 2:  
ERISTICS:  
LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-943-084-2

Query Match 99.2%; Score 127; DB 10; Length 26;  
Best Local Similarity 100.0%; Pred. No. 1.6e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 FTSDVSSYLEGQAQKEFIAMLVKGR 25

RESULT 2  
US-09-943-084-3  
Sequence 3, Application US/09943084  
Publication No. US20030050237A1  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran P.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 3:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-943-084-3

Query Match 99.2%; Score 127; DB 10; Length 26;  
Best Local Similarity 100.0%; Pred. No. 1.6e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26

RESULT 3  
US-09-851-738-6  
Sequence 6, Application US/09851738  
Patent No. US20020055460A1  
GENERAL INFORMATION:  
APPLICANT: Coolidge, Thomas R.  
Ehlers, Mario R.W.  
TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
TITLE OF INVENTION: Ischemic and Reperfused Tissue  
FILE REFERENCE: P03660US1  
CURRENT APPLICATION NUMBER: US/09/851,738  
CURRENT FILING DATE: 2001-05-09  
PRIOR APPLICATION NUMBER: 09/302,596  
PRIOR FILING DATE: 1999-04-30  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: mammalian  
US-09-851-738-6  
Query Match 99.2%; Score 127; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
DB 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 4  
US-09-805-507-6  
Sequence 6, Application US/09805507  
Patent No. US20020098195A1

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; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCES: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/805,507
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-805-507-6

Query Match          99.2%; Score 127; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.8e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAQAEFIAMLVKGR 28
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RESULT 5
US-09-859-804-6
; Sequence 6, Application US/09859804
; Patent No. US20020107206A1
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCES: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/859,804
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-859-804-6

Query Match          99.2%; Score 127; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.8e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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   |||||||
DB 4 FTSDVSSYLEGQAQAEFIAMLVKGR 28
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RESULT 6
US-09-982-978-6
; Sequence 6, Application US/09982978
; Patent No. US20020146405A1
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCES: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/982,978
; CURRENT FILING DATE: 2001-10-22

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Query Match 99.2%; Score 127; DB 14; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 9  
US-10-055-259-6  
; Sequence 6, Application US/10055259  
; Publication No. US20030091507A1  
; GENERAL INFORMATION:  
; APPLICANT: Holst, Jens J.  
; APPLICANT: Viltsboll, Tina  
; TITLE OF INVENTION: GLP-1 AS A DIAGNOSTIC TEST TO DETERMINE Beta-CELL FUNCTION AND TH  
; FILE REFERENCE: P01987US1  
; CURRENT APPLICATION NUMBER: US/10/055,259  
; CURRENT FILING DATE: 2002-06-21  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-055-259-6

Query Match 99.2%; Score 127; DB 14; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 10  
US-10-322-839-6  
; Sequence 6, Application US/10322839  
; Publication No. US2004002454A1  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Ehlers, Mario  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: P05671US2  
; CURRENT APPLICATION NUMBER: US/10/322,839  
; CURRENT FILING DATE: 2002-12-18  
; PRIOR APPLICATION NUMBER: US 09/859,804  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 60/205,239  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1  
US-10-322-839-6

Query Match 99.2%; Score 127; DB 15; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 11  
US-10-291-226-125  
; Sequence 125, Application US/10291226  
; Publication No. US20040106547A1  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US/09/614,847  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)  
US-10-291-226-125

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Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 12  
US-09-851-738-5  
; Sequence 5, Application US/09851738  
; Patent No. US20020055460A1  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Ehlers, Mario R.W.  
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
; TITLE OF INVENTION: Ischemic and Reperfused Tissue  
; FILE REFERENCE: P03660US1  
; CURRENT APPLICATION NUMBER: US/09/851,738  
; CURRENT FILING DATE: 2001-05-09  
; PRIOR APPLICATION NUMBER: 09/302,596  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-851-738-5

Query Match 99.2%; Score 127; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 13  
US-09-805-507-5  
; Sequence 5, Application US/09805507  
; Patent No. US20020098195A1  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.

; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/805,507  
; CURRENT FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 09/859,804  
; PRIOR FILING DATE: 2001-05-18  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form  
; OTHER INFORMATION: of GLP-1  
US-09-805-507-5

Query Match 99.2%; Score 127; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
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Db 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

RESULT 14  
US-09-859-804-5  
; Sequence 5, Application US/09859804  
; Patent No. US20020107206A1  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/859,804  
; CURRENT FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: 60/205,239  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
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US-09-859-804-5

Query Match 99.2%; Score 127; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
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QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
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RESULT 15  
US-09-982-978-5  
; Sequence 5, Application US/09982978  
; Patent No. US20020146405A1  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/982,978  
; CURRENT FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: 09/859,804  
; PRIOR FILING DATE: 2001-05-18

; PRIOR APPLICATION NUMBER: 60/205,239  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form  
; OTHER INFORMATION: of GLP-1  
US-09-982-978-5

Query Match 99.2%; Score 127; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.8e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26  
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Db 4 FTSDVSSYLEGQAQKEFIAMLVKGR 28

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 3, 2004, 00:22:02 ; Search time 166.658 Seconds  
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Title: US-09-943-084-3

Perfect score: 128

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Match Length | ID | Description |
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| 1  | 127 | 99.2 | 26 | 24 | US-09-943-084-2     | Sequence 2, Appli  |
| 2  | 127 | 99.2 | 26 | 24 | US-09-943-084-3     | Sequence 3, Appli  |
| 3  | 127 | 99.2 | 28 | 1  | PCT-US02-13088-6    | Sequence 6, Appli  |
| 4  | 127 | 99.2 | 28 | 20 | US-09-646-433-6     | Sequence 6, Appli  |
| 5  | 127 | 99.2 | 28 | 21 | US-09-719-410-6     | Sequence 6, Appli  |
| 6  | 127 | 99.2 | 28 | 23 | US-09-851-738-6     | Sequence 6, Appli  |
| 7  | 127 | 99.2 | 28 | 23 | US-09-859-804-6     | Sequence 6, Appli  |
| 8  | 127 | 99.2 | 28 | 25 | US-09-953-021-6     | Sequence 6, Appli  |
| 9  | 127 | 99.2 | 28 | 25 | US-09-953-021B-6    | Sequence 6, Appli  |
| 10 | 127 | 99.2 | 28 | 25 | US-09-982-978-6     | Sequence 6, Appli  |
| 11 | 127 | 99.2 | 28 | 26 | US-10-055-259-6     | Sequence 6, Appli  |
| 12 | 127 | 99.2 | 28 | 26 | US-10-091-258-6     | Sequence 6, Appli  |
| 13 | 127 | 99.2 | 28 | 28 | US-10-291-226-125   | Sequence 125, App  |
| 14 | 127 | 99.2 | 28 | 29 | US-10-322-839-6     | Sequence 6, Appli  |
| 15 | 127 | 99.2 | 29 | 1  | PCT-US02-13088-5    | Sequence 5, Appli  |
| 16 | 127 | 99.2 | 29 | 16 | US-09-206-833-77    | Sequence 77, Appli |
| 17 | 127 | 99.2 | 29 | 16 | US-09-206-833-118   | Sequence 118, App  |
| 18 | 127 | 99.2 | 29 | 20 | US-09-646-433-5     | Sequence 5, Appli  |
| 19 | 127 | 99.2 | 29 | 21 | US-09-719-410-5     | Sequence 5, Appli  |
| 20 | 127 | 99.2 | 29 | 23 | US-09-851-738-5     | Sequence 5, Appli  |
| 21 | 127 | 99.2 | 29 | 23 | US-09-859-804-5     | Sequence 5, Appli  |
| 22 | 127 | 99.2 | 29 | 25 | US-09-953-021-5     | Sequence 5, Appli  |
| 23 | 127 | 99.2 | 29 | 25 | US-09-953-021B-5    | Sequence 5, Appli  |
| 24 | 127 | 99.2 | 29 | 25 | US-09-982-978-5     | Sequence 5, Appli  |
| 25 | 127 | 99.2 | 29 | 26 | US-10-055-259-5     | Sequence 5, Appli  |
| 26 | 127 | 99.2 | 29 | 26 | US-10-091-258-5     | Sequence 5, Appli  |
| 27 | 127 | 99.2 | 29 | 29 | US-10-322-839-5     | Sequence 5, Appli  |
| 28 | 127 | 99.2 | 30 | 1  | PCT-US02-13088-4    | Sequence 4, Appli  |
| 29 | 127 | 99.2 | 30 | 1  | PCT-US02-24141-1    | Sequence 1, Appli  |
| 30 | 127 | 99.2 | 30 | 1  | PCT-US02-24141-3    | Sequence 3, Appli  |
| 31 | 127 | 99.2 | 30 | 1  | PCT-US02-24141-4    | Sequence 4, Appli  |
| 32 | 127 | 99.2 | 30 | 1  | PCT-US02-25227-25   | Sequence 25, Appli |
| 33 | 127 | 99.2 | 30 | 1  | PCT-US02-31693A-2   | Sequence 2, Appli  |
| 34 | 127 | 99.2 | 30 | 1  | PCT-US02-40891-1808 | Sequence 1808, Ap  |
| 35 | 127 | 99.2 | 30 | 1  | PCT-US02-40892-698  | Sequence 698, App  |
| 36 | 127 | 99.2 | 30 | 1  | PCT-US02-40892A-698 | Sequence 1, Appli  |
| 37 | 127 | 99.2 | 30 | 1  | PCT-US03-16470A-1   | Sequence 31, Appli |
| 38 | 127 | 99.2 | 30 | 1  | PCT-US03-16643-31   | Sequence 4, Appli  |
| 39 | 127 | 99.2 | 30 | 1  | PCT-US03-16645-4    | Sequence 4, Appli  |
| 40 | 127 | 99.2 | 30 | 1  | PCT-US03-26778-14   | Sequence 14, Appli |
| 41 | 127 | 99.2 | 30 | 1  | PCT-US03-26818-48   | Sequence 48, Appli |
| 42 | 127 | 99.2 | 30 | 1  | PCT-US03-28093-1    | Sequence 1, Appli  |
| 43 | 127 | 99.2 | 30 | 1  | PCT-US04-01369-293  | Sequence 293, App  |
| 44 | 127 | 99.2 | 30 | 1  | PCT-US04-01369-295  | Sequence 295, App  |
| 45 | 127 | 99.2 | 30 | 1  | PCT-US04-01369-296  | Sequence 296, App  |

#### ALIGNMENTS

RESULT 1  
US-09-943-084-2  
Sequence 2, Application US/09943084  
GENERAL INFORMATION:  
APPLICANT: Kim, Yebook  
Qi, Hong  
Lambert, William J.  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSSEE: Pfizer Inc  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,084
; FILING DATE: 31-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/181,555
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Sheyka, Robert F.
; REGISTRATION NUMBER: 31,304
; REFERENCE/DOCKET NUMBER: PC8391
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)573-1189
; TELEFAX: (212)573-1939
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 2:
; ERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: N/A
; STRAIN: N/A
; INDIVIDUAL ISOLATE: N/A
; HAPLOTYPE: N/A
; CELL LINE: N/A
; IMMEDIATE SOURCE:
; LIBRARY: N/A
; CLONE: N/A
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: N/A
; MAP POSITION: N/A
; UNITS: N/A
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US-09-943-084-2

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Query Match 99.2%; Score 127; DB 24; Length 26;
Best Local Similarity 100.0%; Pred. No. 5.8e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 FTSDVSSYLEGQAARKEFIWLKGR 25

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RESULT 2
US-09-943-084-3
; Sequence 3, Application US/09943084
; GENERAL INFORMATION:
; APPLICANT: Kim, Yesook
; Qi, Hong
; Geifand, Robert A.
; Geoghegan, Kieran P.
; Danley, Dennis E.
; TITLE OF INVENTION: Prolonged Delivery of Peptides
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pfizer Inc
; STREET: 235 East 42nd Street, 20th Floor
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10017-5755
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,084
; FILING DATE: 31-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/181,555
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Sheyka, Robert F.
; REGISTRATION NUMBER: 31,304
; REFERENCE/DOCKET NUMBER: PC8391
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)573-1189
; TELEFAX: (212)573-1939
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 3:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: N/A
; STRAIN: N/A
; INDIVIDUAL ISOLATE: N/A
; HAPLOTYPE: N/A
; CELL LINE: N/A
; IMMEDIATE SOURCE:
; LIBRARY: N/A
; CLONE: N/A
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: N/A
; MAP POSITION: N/A
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; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-943-084-3

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Query Match 99.2%; Score 127; DB 24; Length 26;
Best Local Similarity 100.0%; Pred. No. 5.8e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 2 FTSDVSSYLEGQAARKEFIWLKGR 26
Db 2 FTSDVSSYLEGQAARKEFIWLKGR 26

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RESULT 3
PCI-US02-13088-6
; Sequence 6, Application PC/TUS0213088
; GENERAL INFORMATION:
; APPLICANT: Restoragen, Inc.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH
; TITLE OF INVENTION: RESISTANCE
; FILE REFERENCE: RGN-3
; CURRENT APPLICATION NUMBER: PCT/US02/13088
; CURRENT FILING DATE: 2002-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
; PCT-US02-13088-6
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Query Match 99.2%; Score 127; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 6.3e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 4
US-09-646-433-6
; Sequence 6, Application US/09646433
; GENERAL INFORMATION:
; APPLICANT: Goke, Burkhard
; APPLICANT: Schirra, Jorg
; TITLE OF INVENTION: HUMAN APPETITE CONTROL BY GLUCAGON-LIKE PEPTIDE RECEPTOR BINDING
; FILE REFERENCE: P03893US1
; CURRENT APPLICATION NUMBER: US/09/646,433
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/189,091
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: PCT/US99/05571
; PRIOR FILING DATE: 1999-03-16
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
US-09-646-433-6

Query Match 99.2%; Score 127; DB 20; Length 28;
Best Local Similarity 100.0%; Pred. No. 6.3e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 5
US-09-719-410-6
; Sequence 6, Application US/09719410
; GENERAL INFORMATION:
; APPLICANT: Goke, Burkhard
; APPLICANT: Byrne, Maria
; TITLE OF INVENTION: Glucagon-Like Peptide-1 Improves the Ability of the
; TITLE OF INVENTION: B-Cell to Sense and Respond to Glucose in Subjects with
; TITLE OF INVENTION: Impaired Glucose Tolerance
; FILE REFERENCE: P03986US2
; CURRENT APPLICATION NUMBER: US/09/719,410
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: PCT/US99/10040
; PRIOR FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
US-09-719-410-6

Query Match 99.2%; Score 127; DB 21; Length 28;
Best Local Similarity 100.0%; Pred. No. 6.3e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAAKEFIAMLVKGR 26
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 6
US-09-851-738-6
; Sequence 6, Application US/09851738
; GENERAL INFORMATION:
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; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of
; TITLE OF INVENTION: Ischemic and Reperused Tissue
; FILE REFERENCE: P03660US1
; CURRENT APPLICATION NUMBER: US/09/851,738
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
US-09-851-738-6

Query Match 99.2%; Score 127; DB 23; Length 28;
Best Local Similarity 100.0%; Pred. No. 6.3e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 7
US-09-859-804-6
; Sequence 6, Application US/09859804
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/859,804
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-859-804-6

Query Match 99.2%; Score 127; DB 23; Length 28;
Best Local Similarity 100.0%; Pred. No. 6.3e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAAKEFIAMLVKGR 26
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28

RESULT 8
US-09-953-021-6
; Sequence 6, Application US/09953021
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the
; TITLE OF INVENTION: Function of
; TITLE OF INVENTION: Ischemic and Reperused Tissue
; FILE REFERENCE: P03660US1
; CURRENT APPLICATION NUMBER: US/09/953,021
; CURRENT FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
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; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-953-021-6

Query Match 99.2%; Score 127; DB 25; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.3e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26  
|||  
DB 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 9  
US-09-953-021B-6  
; Sequence 6, Application US/09953021B  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Isch  
; TITLE OF INVENTION: Repurposed Skeletal Muscle Tissue  
; FILE REFERENCE: P03660US6  
; CURRENT APPLICATION NUMBER: US/09/953,021B  
; CURRENT FILING DATE: 2001-09-11  
; PRIOR APPLICATION NUMBER: 09/302,596  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-953-021B-6

Query Match 99.2%; Score 127; DB 25; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.3e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26  
|||  
DB 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 10  
US-09-982-978-6  
; Sequence 6, Application US/09982978  
; GENERAL INFORMATION:  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/982,978  
; CURRENT FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: 09/859,804  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: 60/205,239  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form  
; OTHER INFORMATION: of GLP-1  
US-09-982-978-6

Query Match 99.2%; Score 127; DB 25; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.3e-12;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26  
|||  
DB 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 11  
US-10-055-259-6  
; Sequence 6, Application US/10055259  
; GENERAL INFORMATION:  
; APPLICANT: Holst, Jens J.  
; APPLICANT: Vilsbøll, Tina  
; TITLE OF INVENTION: GLP-1 AS A DIAGNOSTIC TEST TO DETERMINE Beta-CELL FUNCTION AND  
; TITLE OF INVENTION: PRESENCE OF THE CONDITION OF IGT AND TYPE-II DIABETES  
; FILE REFERENCE: P03987US1  
; CURRENT APPLICATION NUMBER: US/10/055,259  
; CURRENT FILING DATE: 2002-06-21  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-055-259-6

Query Match 99.2%; Score 127; DB 26; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.3e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26  
|||  
DB 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 12  
US-10-091-258-6  
; Sequence 6, Application US/10091258  
; GENERAL INFORMATION:  
; APPLICANT: Hathaway, David R  
; APPLICANT: Coolidge, Thomas R  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL VASCULAR DISEASE  
; FILE REFERENCE: RGN-2  
; CURRENT APPLICATION NUMBER: US/10/091,258  
; CURRENT FILING DATE: 2002-03-05  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: mammalian  
US-10-091-258-6

Query Match 99.2%; Score 127; DB 26; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.3e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAKEFIAMLVKGR 26  
|||  
DB 4 FTSDVSSYLEGQAQAKEFIAMLVKGR 28

RESULT 13  
US-10-291-226-125  
; Sequence 125, Application US/10291226  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226  
; CURRENT FILING DATE: 2002-11-08



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; PRIOR APPLICATION NUMBER: US/09/614,847
; PRIOR FILING DATE: 12000-07-12
; PRIOR APPLICATION NUMBER: US 60/143,591
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 125
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)
US-10-291-226-125

Query Match          99.2%; Score 127; DB 28; Length 28;
Best Local Similarity 100.0%; Pred. No. 6.3e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  2 FTSDVSSYLEGQAAKEFTIAWLKGR 26
    |||||||
DB  4 FTSDVSSYLEGQAAKEFTIAWLKGR 28
    |||||||

RESULT 14
US-10-322-839-6
; Sequence 6, Application US/10322839
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: P05671052
; CURRENT APPLICATION NUMBER: US/10/322,839
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
US-10-322-839-6

Query Match          99.2%; Score 127; DB 29; Length 28;
Best Local Similarity 100.0%; Pred. No. 6.3e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  2 FTSDVSSYLEGQAAKEFTIAWLKGR 26
    |||||||
DB  4 FTSDVSSYLEGQAAKEFTIAWLKGR 28
    |||||||

RESULT 15
PCT-US02-13088-5
; Sequence 5, Application PC/TUS0213088
; GENERAL INFORMATION:
; APPLICANT: Restoragen, Inc.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH
; TITLE OF INVENTION: RESISTANCE
; FILE REFERENCE: RGN-3
; CURRENT APPLICATION NUMBER: PCT/US02/13088
; CURRENT FILING DATE: 2002-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: mammalian
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PCT-US02-13088-5

Query Match 99.2%; Score 127; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 6.6e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAAKEFTIAWLKGR 26  
 |||||||  
DB 4 FTSDVSSYLEGQAAKEFTIAWLKGR 28  
 |||||||

Search completed: July 3, 2004, 00:46:13  
Job time : 166.658 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 3, 2004, 00:25:27 ; Search time 12.2733 Seconds  
(Without alignments)  
105.442 Million cell updates/sec

Title: US-09-943-084-3

Perfect score: 128  
Sequence: 1 FTSDVSSYLEGQAAKEFIAMLVKGR 26

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 327902 seqs, 49773865 residues

Total number of hits satisfying chosen parameters: 327902

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents AA.New:\*  
1: /cgn2\_6/prodata/2/paa/ECT\_NEW\_COMB.pep:\*  
2: /cgn2\_6/prodata/2/paa/US07\_NEW\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/paa/US06\_NEW\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/prodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match % | Length | ID                 | Description        |
|------------|-------|---------------|--------|--------------------|--------------------|
| 1          | 127   | 99.2          | 28     | US-10-291-226A-125 | Sequence 125, App  |
| 2          | 127   | 99.2          | 30     | PCT-US04-04421-774 | Sequence 774, App  |
| 3          | 127   | 99.2          | 30     | PCT-US04-04421-775 | Sequence 775, App  |
| 4          | 127   | 99.2          | 30     | PCT-US04-04421-778 | Sequence 778, App  |
| 5          | 127   | 99.2          | 30     | PCT-US04-06462-90  | Sequence 90, App   |
| 6          | 127   | 99.2          | 30     | PCT-US04-06082-2   | Sequence 2, Appl   |
| 7          | 127   | 99.2          | 30     | US-09-716-166-14   | Sequence 14, Appl  |
| 8          | 127   | 99.2          | 30     | US-09-635-679E-4   | Sequence 4, Appl   |
| 9          | 127   | 99.2          | 30     | US-10-485-140-1    | Sequence 1, Appl   |
| 10         | 127   | 99.2          | 30     | US-10-485-140-3    | Sequence 3, Appl   |
| 11         | 127   | 99.2          | 30     | US-10-485-140-4    | Sequence 4, Appl   |
| 12         | 127   | 99.2          | 30     | US-10-291-226A-87  | Sequence 87, Appl  |
| 13         | 127   | 99.2          | 30     | US-10-291-226A-112 | Sequence 112, App  |
| 14         | 127   | 99.2          | 30     | US-10-291-226A-113 | Sequence 113, App  |
| 15         | 127   | 99.2          | 30     | US-10-291-226A-114 | Sequence 114, App  |
| 16         | 127   | 99.2          | 30     | US-10-775-180-698  | Sequence 698, App  |
| 17         | 127   | 99.2          | 30     | US-10-775-204-1808 | Sequence 1808, App |
| 18         | 127   | 99.2          | 30     | US-10-769-080-1    | Sequence 1, Appl   |
| 19         | 127   | 99.2          | 30     | US-10-488-141-4    | Sequence 4, Appl   |
| 20         | 127   | 99.2          | 30     | US-10-716-326-25   | Sequence 25, Appl  |
| 21         | 127   | 99.2          | 30     | US-10-811-646-5    | Sequence 5, Appl   |
| 22         | 127   | 99.2          | 30     | US-10-715-976-25   | Sequence 25, Appl  |
| 23         | 127   | 99.2          | 30     | US-10-741-534-1    | Sequence 1, Appl   |
| 24         | 127   | 99.2          | 30     | US-60-549-567-48   | Sequence 48, Appl  |
| 25         | 127   | 99.2          | 31     | PCT-US04-04421-776 | Sequence 776, App  |
| 26         | 127   | 99.2          | 31     | PCT-US04-06462-32  | Sequence 32, Appl  |

|    |     |      |    |   |                    |                   |
|----|-----|------|----|---|--------------------|-------------------|
| 27 | 127 | 99.2 | 31 | 1 | PCT-US04-06462-91  | Sequence 91, Appl |
| 28 | 127 | 99.2 | 31 | 1 | PCT-US04-06462-92  | Sequence 92, Appl |
| 29 | 127 | 99.2 | 31 | 1 | PCT-US04-06462-94  | Sequence 94, Appl |
| 30 | 127 | 99.2 | 31 | 1 | PCT-US04-06082-1   | Sequence 1, Appl  |
| 31 | 127 | 99.2 | 31 | 5 | US-09-716-166-13   | Sequence 13, Appl |
| 32 | 127 | 99.2 | 31 | 6 | US-10-485-140-8    | Sequence 8, Appl  |
| 33 | 127 | 99.2 | 31 | 6 | US-10-485-619-3    | Sequence 3, Appl  |
| 34 | 127 | 99.2 | 31 | 6 | US-10-291-226A-111 | Sequence 111, App |
| 35 | 127 | 99.2 | 31 | 6 | US-10-291-226A-123 | Sequence 123, App |
| 36 | 127 | 99.2 | 31 | 6 | US-10-291-226A-124 | Sequence 124, App |
| 37 | 127 | 99.2 | 31 | 6 | US-10-486-333-1    | Sequence 1, Appl  |
| 38 | 127 | 99.2 | 31 | 6 | US-10-723-039A-2   | Sequence 2, Appl  |
| 39 | 127 | 99.2 | 31 | 6 | US-10-723-039A-17  | Sequence 17, Appl |
| 40 | 127 | 99.2 | 31 | 6 | US-10-723-039A-27  | Sequence 27, Appl |
| 41 | 127 | 99.2 | 31 | 6 | US-10-723-039A-28  | Sequence 28, Appl |
| 42 | 127 | 99.2 | 31 | 6 | US-10-723-039A-29  | Sequence 29, Appl |
| 43 | 127 | 99.2 | 31 | 6 | US-10-723-039A-30  | Sequence 30, Appl |
| 44 | 127 | 99.2 | 31 | 6 | US-10-722-733-2    | Sequence 2, Appl  |
| 45 | 127 | 99.2 | 31 | 6 | US-10-722-733-17   | Sequence 17, Appl |

#### ALIGNMENTS

RESULT 1  
US-10-291-226A-125  
; Sequence 125, Application US/10291226A  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226A  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)  
US-10-291-226A-125

Query Match 99.2% Score 127; DB 6; Length 28;  
Best Local Similarity 100.0%; Pred.No. 1.1e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 FTSDVSSYLEGQAAKEFIAMLVKGR 26  
|||||  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKGR 28  
|||||

RESULT 2  
PCT-US04-04421-774  
; Sequence 774, Application PC/TUS0404421  
; GENERAL INFORMATION:  
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
; APPLICANT: SCIENTIFIQUES, S.A.S  
; APPLICANT: DONG, ZHENG ZIN  
; TITLE OF INVENTION: ANALOGUES OF GLP-1  
; FILE REFERENCE: 129P-PCT2  
; CURRENT APPLICATION NUMBER: PCT/US04/04421  
; CURRENT FILING DATE: 2004-02-17  
; NUMBER OF SEQ ID NOS: 781  
; PRIOR APPLICATION NUMBER: 60/449,203  
; PRIOR FILING DATE: 2003-02-19  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 774  
; LENGTH: 30

TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Illustrative synthetic  
OTHER INFORMATION: modified hGLP-1 peptide  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: (2)-(2)  
OTHER INFORMATION: A5C  
FEATURE:  
OTHER INFORMATION: c-term amidation  
PCT-US04-04421-774

Query Match 99.2%; Score 127; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

RESULT 3  
PCT-US04-04421-775  
Sequence 775, Application PC/TUS0404421  
GENERAL INFORMATION:  
APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
APPLICANT: SCIENTIFIQUES, S.A.S  
APPLICANT: DONG, ZHENG ZIN  
TITLE OF INVENTION: ANALOGUES OF GLP-1  
FILE REFERENCE: 129P-PCT2  
CURRENT APPLICATION NUMBER: PCT/US04/04421  
CURRENT FILING DATE: 2004-02-17  
NUMBER OF SEQ ID NOS: 781  
PRIOR APPLICATION NUMBER: 60/449,203  
PRIOR FILING DATE: 2003-02-19  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 775  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: Illustrative hGLP-1(7-36)  
FEATURE:  
OTHER INFORMATION: c-term may or may not be amidated  
PCT-US04-04421-775

Query Match 99.2%; Score 127; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

RESULT 4  
PCT-US04-04421-778  
Sequence 778, Application PC/TUS0404421  
GENERAL INFORMATION:  
APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
APPLICANT: SCIENTIFIQUES, S.A.S  
APPLICANT: DONG, ZHENG ZIN  
TITLE OF INVENTION: ANALOGUES OF GLP-1  
FILE REFERENCE: 129P-PCT2  
CURRENT APPLICATION NUMBER: PCT/US04/04421  
CURRENT FILING DATE: 2004-02-17  
NUMBER OF SEQ ID NOS: 781  
PRIOR APPLICATION NUMBER: 60/449,203  
PRIOR FILING DATE: 2003-02-19  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 778  
LENGTH: 30

TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified  
OTHER INFORMATION: hGLP-1 peptide  
FEATURE:  
OTHER INFORMATION: c-term amidation  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: (1)-(1)  
OTHER INFORMATION: Tma-His  
PCT-US04-04421-778

Query Match 99.2%; Score 127; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

RESULT 5  
PCT-US04-06462-90  
Sequence 90, Application PC/TUS0406462  
GENERAL INFORMATION:  
APPLICANT: Biorexis Pharmaceutical Corp.  
APPLICANT: Sadeghi, Homayoun  
APPLICANT: Prior, Christopher P.  
APPLICANT: Ballance, David J.  
TITLE OF INVENTION: Dipeptidyl peptidase protected proteins  
FILE REFERENCE: 54710-5010-WO  
CURRENT APPLICATION NUMBER: PCT/US04/06462  
CURRENT FILING DATE: 2004-03-04  
PRIOR APPLICATION NUMBER: US 10/378,094  
PRIOR FILING DATE: 2003-03-04  
PRIOR APPLICATION NUMBER: PCT/US 03/26818  
PRIOR FILING DATE: 2003-08-28  
NUMBER OF SEQ ID NOS: 119  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 90  
LENGTH: 30  
TYPE: PRT  
ORGANISM: artificial  
FEATURE:  
OTHER INFORMATION: A8G modified GLP-1  
PCT-US04-06462-90

Query Match 99.2%; Score 127; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

RESULT 6  
PCT-US04-06082-2  
Sequence 2, Application PC/TUS0406082  
GENERAL INFORMATION:  
APPLICANT: Eli Lilly and Company  
TITLE OF INVENTION: Polyethylene Glycol Linked GLP-1 Compounds  
FILE REFERENCE: X-16020  
CURRENT APPLICATION NUMBER: PCT/US04/06082  
CURRENT FILING DATE: 2004-03-23  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 2  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US04-06082-2

Query Match 99.2%; Score 127; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

## RESULT 7

US-09-716-166-14  
; Sequence 14, Application US/09716166  
; GENERAL INFORMATION:  
; APPLICANT: Treco, Douglas A.  
; APPLICANT: Concino, Michael P.  
; APPLICANT: Duguay, Stephen J.  
; TITLE OF INVENTION: NUCLEIC ACID CONSTRUCT FOR OPTIMIZED  
; TITLE OF INVENTION: PRODUCTION OF PRODUCTS  
; FILE REFERENCE: 10278-014001  
; CURRENT APPLICATION NUMBER: US/09/716,166  
; CURRENT FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 60/166,508  
; PRIOR FILING DATE: 1993-11-19  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetically generated polypeptide  
US-09-716-166-14

Query Match 99.2%; Score 127; DB 5; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

## RESULT 8

US-09-635-679E-4  
; Sequence 4, Application US/09635679E  
; GENERAL INFORMATION:  
; APPLICANT: Habener, Joel  
; TITLE OF INVENTION: Insulinotropic Hormone and Uses Thereof  
; FILE REFERENCE: 0609.1090069  
; CURRENT APPLICATION NUMBER: US/09/635,679E  
; CURRENT FILING DATE: 2000-08-10  
; PRIOR APPLICATION NUMBER: 09/090,949  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 08/749,762  
; PRIOR FILING DATE: 1996-11-20  
; PRIOR APPLICATION NUMBER: 08/156,800  
; PRIOR FILING DATE: 1993-11-23  
; PRIOR APPLICATION NUMBER: 07/756,215  
; PRIOR FILING DATE: 1991-09-05  
; PRIOR APPLICATION NUMBER: 07/532,111  
; PRIOR FILING DATE: 1990-06-01  
; PRIOR APPLICATION NUMBER: 07/148,517  
; PRIOR FILING DATE: 1988-01-26  
; PRIOR APPLICATION NUMBER: 06/859,928  
; PRIOR FILING DATE: 1986-05-05  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetically generated polypeptide

; OTHER INFORMATION: insulinotropic peptide  
US-09-635-679E-4

Query Match 99.2%; Score 127; DB 5; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

## RESULT 9

US-10-485-140-1  
; Sequence 1, Application US/10485140  
; GENERAL INFORMATION:  
; APPLICANT: The Government of the United States of America, as represented by the  
; APPLICANT: Secretary, Department of Health and Human Services  
; APPLICANT: Greig, Nigel H.  
; APPLICANT: Egan, Josephine  
; APPLICANT: Doyle, Maire  
; APPLICANT: Holloway, Harold  
; TITLE OF INVENTION: GLP-1, EXENDIN-4, AND PEPTIDE ANALOGS AND USES THEREOF  
; FILE REFERENCE: 14014.0396P1  
; CURRENT APPLICATION NUMBER: US/10/485,140  
; CURRENT FILING DATE: 2004-01-27  
; PRIOR APPLICATION NUMBER: 60/309,076  
; PRIOR FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Human  
US-10-485-140-1

Query Match 99.2%; Score 127; DB 6; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 FTSDVSSYLEGQAQAEFIAMLVKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIAMLVKGR 30

## RESULT 10

US-10-485-140-3  
; Sequence 3, Application US/10485140  
; GENERAL INFORMATION:  
; APPLICANT: The Government of the United States of America, as represented by the  
; APPLICANT: Secretary, Department of Health and Human Services  
; APPLICANT: Greig, Nigel H.  
; APPLICANT: Egan, Josephine  
; APPLICANT: Doyle, Maire  
; APPLICANT: Holloway, Harold  
; TITLE OF INVENTION: GLP-1, EXENDIN-4, AND PEPTIDE ANALOGS AND USES THEREOF  
; FILE REFERENCE: 14014.0396P1  
; CURRENT APPLICATION NUMBER: US/10/485,140  
; CURRENT FILING DATE: 2004-01-27  
; PRIOR APPLICATION NUMBER: 60/309,076  
; PRIOR FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence./Note =  
; OTHER INFORMATION: Synthetic Construct  
US-10-485-140-3

Query Match 99.2%; Score 127; DB 6; Length 30;

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Best Local Similarity 100.0%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
Matches 25; Conservative 0; Mismatches 0;

QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGR 30

RESULT 11
US-10-485-140-4
; Sequence 4, Application US/10485140
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as represented by the
; SECRETARY, Department of Health and Human Services
; APPLICANT: Greig, Nigel H.
; APPLICANT: Egan, Josephine
; APPLICANT: Doyle, Maire
; APPLICANT: Holloway, Harold
; TITLE OF INVENTION: GLP-1, EXTENDIN-4, AND PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 14014.0396P1
; CURRENT APPLICATION NUMBER: US/10/485,140
; CURRENT FILING DATE: 2004-01-27
; PRIOR APPLICATION NUMBER: 60/309,076
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/Note =
; OTHER INFORMATION: Synthetic Construct
US-10-485-140-4

Query Match 99.2%; Score 127; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
Matches 25; Conservative 0; Mismatches 0;

QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGR 30

RESULT 12
US-10-291-226A-87
; Sequence 87, Application US/10291226A
; GENERAL INFORMATION:
; APPLICANT: Larsen, Bjarne Due
; APPLICANT: Mikkelsen, Jens Mollgaard
; APPLICANT: Neve, Soren
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY
; FILE REFERENCE: 55511(45487)
; CURRENT APPLICATION NUMBER: US/10/291,226A
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: US 60/143,591
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Gly8-GLP-1-(7-36) (Human)-NH2
US-10-291-226A-87

Query Match 99.2%; Score 127; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
Matches 25; Conservative 0; Mismatches 0;

QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
```

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Db 6 FTSDVSSYLEGQAQKEFIAMLVKGR 30

RESULT 13
US-10-291-226A-112
; Sequence 112, Application US/10291226A
; GENERAL INFORMATION:
; APPLICANT: Larsen, Bjarne Due
; APPLICANT: Mikkelsen, Jens Mollgaard
; APPLICANT: Neve, Soren
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY
; FILE REFERENCE: 55511(45487)
; CURRENT APPLICATION NUMBER: US/10/291,226A
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: US 60/143,591
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 112
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Gly8Lys34N-palmitoyl-GLP-1 (7-36)
; NAME/KEY: MOD RES
; LOCATION: (28)
; OTHER INFORMATION: Lys(N-palmitoyl)
US-10-291-226A-112

Query Match 99.2%; Score 127; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
Matches 25; Conservative 0; Mismatches 0;

QY 2 FTSDVSSYLEGQAQKEFIAMLVKGR 26
Db 6 FTSDVSSYLEGQAQKEFIAMLVKGR 30

RESULT 14
US-10-291-226A-113
; Sequence 113, Application US/10291226A
; GENERAL INFORMATION:
; APPLICANT: Larsen, Bjarne Due
; APPLICANT: Mikkelsen, Jens Mollgaard
; APPLICANT: Neve, Soren
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY
; FILE REFERENCE: 55511(45487)
; CURRENT APPLICATION NUMBER: US/10/291,226A
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: US 60/143,591
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 113
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Gly8Lys26N-palmitoyl-GLP-1 (7-36)
; NAME/KEY: MOD RES
; LOCATION: (20)
; OTHER INFORMATION: Lys(N-palmitoyl)
US-10-291-226A-113

Query Match 99.2%; Score 127; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
Matches 25; Conservative 0; Mismatches 0;
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QY 2 FTSDVSSYLEGQAQAEFIWLKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIWLKGR 30

RESULT 15  
US-10-291-226A-114  
; Sequence 114, Application US/10291226A  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelson, Jens Mollgaard  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226A  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 114  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: GLP-1(7-36)  
US-10-291-226A-114

Query Match 99.2%; Score 127; DB 6; Length 30;  
Best Local Similarity 100.0%; Pred No. 1.2e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FTSDVSSYLEGQAQAEFIWLKGR 26  
Db 6 FTSDVSSYLEGQAQAEFIWLKGR 30

Search completed: July 3, 2004, 00:47:42  
Job time : 12.2733 secs

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OM protein - protein search, using sw model

Rur on: July 3, 2004, 00:21:27 ; Search time 12.3727 Seconds  
(without alignments)  
100.142 Million cell updates/sec

Title: US-09-943-084-4

Perfect score: 122  
Sequence: 1 FTSDVSSYLEGQAKKEFIAMLVKG 24

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:  
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6: /cgn2\_6/prodata/2/iaa/6CTUS COMB pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID                  | Description        |
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| 1          | 122   | 100.0       | 28     | 1 US-08-297-731-9   | Sequence 9, Appli  |
| 2          | 122   | 100.0       | 28     | 3 US-09-302-596-6   | Sequence 6, Appli  |
| 3          | 122   | 100.0       | 28     | 4 US-09-333-415-6   | Sequence 6, Appli  |
| 4          | 122   | 100.0       | 28     | 4 US-09-303-016-6   | Sequence 6, Appli  |
| 5          | 122   | 100.0       | 28     | 4 US-09-614-847-125 | Sequence 125, App  |
| 6          | 122   | 100.0       | 28     | 4 US-09-805-507-6   | Sequence 6, Appli  |
| 7          | 122   | 100.0       | 28     | 5 PCT-US95-10793-9  | Sequence 9, Appli  |
| 8          | 122   | 100.0       | 29     | 1 US-08-297-731-10  | Sequence 10, Appli |
| 9          | 122   | 100.0       | 29     | 1 US-08-297-731-11  | Sequence 11, Appli |
| 10         | 122   | 100.0       | 29     | 3 US-09-302-596-5   | Sequence 5, Appli  |
| 11         | 122   | 100.0       | 29     | 3 US-08-472-349-4   | Sequence 4, Appli  |
| 12         | 122   | 100.0       | 29     | 4 US-09-333-415-5   | Sequence 5, Appli  |
| 13         | 122   | 100.0       | 29     | 4 US-09-209-799D-9  | Sequence 9, Appli  |
| 14         | 122   | 100.0       | 29     | 4 US-09-303-016-5   | Sequence 5, Appli  |
| 15         | 122   | 100.0       | 29     | 4 US-09-397-792A-7  | Sequence 7, Appli  |
| 16         | 122   | 100.0       | 29     | 4 US-09-805-507-5   | Sequence 5, Appli  |
| 17         | 122   | 100.0       | 29     | 5 PCT-US95-10793-10 | Sequence 10, Appli |
| 18         | 122   | 100.0       | 29     | 5 PCT-US95-10793-11 | Sequence 11, Appli |
| 19         | 122   | 100.0       | 30     | 1 US-08-066-480-6   | Sequence 6, Appli  |
| 20         | 122   | 100.0       | 30     | 1 US-08-095-162-1   | Sequence 1, Appli  |
| 21         | 122   | 100.0       | 30     | 1 US-08-297-731-12  | Sequence 12, Appli |
| 22         | 122   | 100.0       | 30     | 1 US-08-470-220A-1  | Sequence 1, Appli  |
| 23         | 122   | 100.0       | 30     | 2 US-08-927-227-1   | Sequence 1, Appli  |
| 24         | 122   | 100.0       | 30     | 3 US-08-967-374-1   | Sequence 1, Appli  |
| 25         | 122   | 100.0       | 30     | 3 US-09-348-136-1   | Sequence 1, Appli  |
| 26         | 122   | 100.0       | 30     | 3 US-08-961-405A-5  | Sequence 5, Appli  |
| 27         | 122   | 100.0       | 30     | 3 US-08-915-918A-5  | Sequence 5, Appli  |

28 122 100.0 30 3 US-09-302-596-4 Sequence 4, Appli  
29 122 100.0 30 3 US-08-472-349-3 Sequence 3, Appli  
30 122 100.0 30 4 US-09-333-415-4 Sequence 4, Appli  
31 122 100.0 30 4 US-09-585-181A-4 Sequence 4, Appli  
32 122 100.0 30 4 US-09-209-799D-10 Sequence 10, Appli  
33 122 100.0 30 4 US-09-209-799D-15 Sequence 15, Appli  
34 122 100.0 30 4 US-09-209-799D-27 Sequence 27, Appli  
35 122 100.0 30 4 US-09-975-905-1 Sequence 1, Appli  
36 122 100.0 30 4 US-09-505-991-1 Sequence 1, Appli  
37 122 100.0 30 4 US-09-573-809-1 Sequence 1, Appli  
38 122 100.0 30 4 US-09-303-016-4 Sequence 4, Appli  
39 122 100.0 30 4 US-09-213-663-4 Sequence 87, Appli  
40 122 100.0 30 4 US-09-614-847-87 Sequence 112, App  
41 122 100.0 30 4 US-09-614-847-112 Sequence 113, App  
42 122 100.0 30 4 US-09-614-847-113 Sequence 114, App  
43 122 100.0 30 4 US-09-997-792A-8 Sequence 8, Appli  
44 122 100.0 30 4 US-09-997-792A-13 Sequence 13, Appli  
45 122 100.0 30 4 US-09-997-792A-13

#### ALIGNMENTS

#### RESULT 1

US-08-297-731-9  
; Sequence 9, Application US/08297731  
; Patent No. 5574008  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, William T.  
; APPLICANT: Yakubu-Madus, Fatima B.  
; TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
; TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Eli Lilly and Company/RSM  
; STREET: Lilly Corporate Center  
; CITY: Indianapolis  
; STATE: IN  
; COUNTRY: USA  
; ZIP: 46285  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/297,731  
; FILING DATE:  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maciak, Ronald S.  
; REGISTRATION NUMBER: 35,262  
; REFERENCE/DOCKET NUMBER: X9630  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 317-276-1664  
; TELEFAX: 317-277-1917  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 27..28  
; OTHER INFORMATION: /note="C-terminal amide"  
US-08-297-731-9

Query Match 100.0%; Score 122; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Tue Jul 6 16:41:16 2004

QY 1 FTSDVSSYLEGQAQKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

## RESULT 2

US-09-302-596-6  
; Sequence 6, Application US/09302596  
; Patent No. 6284725  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Ehlers, Mario R.W.  
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
; TITLE OF INVENTION: Ischemic and Reperfused Tissue  
; FILE REFERENCE: P03660US1  
; CURRENT APPLICATION NUMBER: US/09/302,596  
; CURRENT FILING DATE: 1999-04-30  
; PRIOR APPLICATION NUMBER: 60/103,498  
; PRIOR FILING DATE: 1998-10-08  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-302-596-6

Query Match 100.0%; Score 122; DB 3; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

## RESULT 3

US-09-333-415-6  
; Sequence 6, Application US/09333415  
; Patent No. 6344180  
; GENERAL INFORMATION:  
; APPLICANT: Holst, Jens J.  
; APPLICANT: Vilsholt, Tina  
; TITLE OF INVENTION: GLP-1 as a Diagnostic Test to Determine Beta-Cell  
; TITLE OF INVENTION: Function and the Presence of the Condition of IGT and  
; FILE REFERENCE: Type-II Diabetes  
; FILE REFERENCE: P03987US0  
; CURRENT APPLICATION NUMBER: US/09/333,415  
; CURRENT FILING DATE: 1999-06-15  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-333-415-6

Query Match 100.0%; Score 122; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

## RESULT 4

US-09-303-016-6  
; Sequence 6, Application US/09303016  
; Patent No. 6429197  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Ehlers, Mario R.W.

; TITLE OF INVENTION: Metabolic Intervention with GLP-1 or its Biologically  
; TITLE OF INVENTION: Active Analogues to Improve the Function of the  
; FILE REFERENCE: P03660US2  
; CURRENT APPLICATION NUMBER: US/09/303,016  
; CURRENT FILING DATE: 1999-04-30  
; PRIOR APPLICATION NUMBER: 60/103,498  
; PRIOR FILING DATE: 1998-10-08  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-303-016-6

Query Match 100.0%; Score 122; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

## RESULT 5

US-09-614-847-125  
; Sequence 125, Application US/09614847  
; Patent No. 6528486  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55311(45487)  
; CURRENT APPLICATION NUMBER: US/09/614,847  
; CURRENT FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)  
US-09-614-847-125

Query Match 100.0%; Score 122; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

## RESULT 6

US-09-805-507-6  
; Sequence 6, Application US/09805507  
; Patent No. 6579851  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/805,507  
; CURRENT FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 09/859,804  
; PRIOR FILING DATE: 2001-05-18  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1



SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Truncated form  
OTHER INFORMATION: of GLP-1  
US-09-805-507-6

Query Match 100.0%; Score 122; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAARKEFIAMLVKG 24  
DB 4 FTSDVSSYLEGQAARKEFIAMLVKG 27

RESULT 7  
PCT-US95-10793-9  
Sequence 9, Application PC/TUS9510793  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/10793  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 27..28  
OTHER INFORMATION: /note= "C-terminal amide"

PCT-US95-10793-9  
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Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAARKEFIAMLVKG 24  
DB 4 FTSDVSSYLEGQAARKEFIAMLVKG 27

RESULT 8

US-08-297-731-10  
Sequence 10, Application US/08297731  
Patent No. 5574008  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/297,731  
FILING DATE:  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Maciak, Ronald S.  
REGISTRATION NUMBER: 35,262  
REFERENCE/DOCKET NUMBER: X9630  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-1664  
TELEFAX: 317-277-1917  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-297-731-10  
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Best Local Similarity 100.0%; Pred. No. 2.7e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAARKEFIAMLVKG 27

RESULT 9  
US-08-297-731-11  
Sequence 11, Application US/08297731  
Patent No. 5574008  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/08/297,731
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Maciak, Ronald S.
; REGISTRATION NUMBER: 35,262
; REFERENCE/DOCKET NUMBER: X9630
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 317-276-1664
; TELEFAX: 317-277-1917
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 28..29
; OTHER INFORMATION: /note= "C-terminal amide"
US-08-297-731-11

Query Match 100.0%; Score 122; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 5 FTSDVSSYLEGQAQAKEFIAMLVKG 28

RESULT 10
US-09-302-596-5
; Sequence 5, Application US/09302596
; Patent No. 6284725
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of
; FILE REFERENCE: P03660US1
; CURRENT APPLICATION NUMBER: US/09/302,596
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/103,498
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: mammalian
US-09-302-596-5

Query Match 100.0%; Score 122; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 FTSDVSSYLEGQAQAKEFIAMLVKG 27

RESULT 11
US-08-472-349-4
; Sequence 4, Application US/08472349
; Patent No. 6284727
; GENERAL INFORMATION:
; APPLICANT: Kim, Yescok
; APPLICANT: Lambert, William J.
; APPLICANT: Qi, Hong
; APPLICANT: Geifand, Robert A.
; APPLICANT: Geoghegan, Kieran F.

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; APPLICANT: Danley, Dennis E.
; TITLE OF INVENTION: Prolonged Delivery of Peptides
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: pfizer Inc
; STREET: 235 East 42nd Street, 20th Floor
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10017-5755
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,349
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/181,655
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sheyka, Robert F.
; REGISTRATION NUMBER: 31,304
; REFERENCE/DOCKET NUMBER: PC8391
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)573-1189
; TELEFAX: (212)573-1939
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: N/A
; STRAIN: N/A
; INDIVIDUAL ISOLATE: N/A
; HAPLOTYPE: N/A
; CELL LINE: N/A
; IMMEDIATE SOURCE:
; LIBRARY: N/A
; CLONE: N/A
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: N/A
; MAP POSITION: N/A
US-08-472-349-4

Query Match 100.0%; Score 122; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 6 FTSDVSSYLEGQAQAKEFIAMLVKG 29

RESULT 12
US-09-333-415-5
; Sequence 5, Application US/09333415
; Patent No. 6344180
; GENERAL INFORMATION:
; APPLICANT: Holst, Jens J.
; APPLICANT: Vilsboll, Tina
; TITLE OF INVENTION: GLP-1 as a Diagnostic Test to Determine Beta-Cell
; TITLE OF INVENTION: Function and the Presence of the Condition of IGT and
; TITLE OF INVENTION: Type-II Diabetes

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; FILE REFERENCE: P03987USO
; CURRENT APPLICATION NUMBER: US/09/333,415
; CURRENT FILING DATE: 1999-06-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-333-415-5

Query Match      100.0%; Score 122; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

RESULT 13
US-09-209-799D-9
; Sequence 9, Application US/09209799D
; Patent No. 6380357
; GENERAL INFORMATION:
; APPLICANT: Hermeling, Ronald
; APPLICANT: Hoffmann, James
; APPLICANT: Narasimhan, Chakravarthy
; TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS
; FILE REFERENCE: X-10242
; CURRENT APPLICATION NUMBER: US/09/209,799D
; CURRENT FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-209-799D-9

Query Match      100.0%; Score 122; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 6 FTSDVSSYLEGQAQKEFIAMLVKG 29

RESULT 14
US-09-303-016-5
; Sequence 5, Application US/09303016
; Patent No. 6429197
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 or its Biologically
; TITLE OF INVENTION: Active Analogues to Improve the Function of the
; TITLE OF INVENTION: Ischemic and Reperfused Brain
; FILE REFERENCE: P03660US2
; CURRENT APPLICATION NUMBER: US/09/303,016
; CURRENT FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/103,498
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-303-016-5

Query Match      100.0%; Score 122; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 6 FTSDVSSYLEGQAQKEFIAMLVKG 29

RESULT 15
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; Sequence 7, Application US/09997792A
; Patent No. 6555221
; GENERAL INFORMATION:
; APPLICANT: ELI LILLY and COMPANY
; TITLE OF INVENTION: Glucagon-Like Peptide-1 Crystals
; FILE REFERENCE: X-10242A
; CURRENT APPLICATION NUMBER: US/09/997,792A
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: US 60/069,728
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
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; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-09-997-792A-7

Query Match      100.0%; Score 122; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVKG 24
Db 6 FTSDVSSYLEGQAQKEFIAMLVKG 29

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 3, 2004, 00:26:08 ; Search time 34.7329 Seconds  
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Title: US-09-943-084-4  
Perfect score: 122  
Sequence: 1 FTSDVSSYLEGQAAKEFIMLVKG 24

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1276540 seqs, 311283816 residues

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Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
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| 2          | 122   | 100.0       | 26     | 10 | US-09-943-084-2   |
| 3          | 122   | 100.0       | 26     | 10 | US-09-943-084-3   |
| 4          | 122   | 100.0       | 28     | 9  | US-09-851-738-6   |
| 5          | 122   | 100.0       | 28     | 9  | US-09-805-507-6   |
| 6          | 122   | 100.0       | 28     | 9  | US-09-859-804-6   |
| 7          | 122   | 100.0       | 28     | 9  | US-09-982-978-6   |
| 8          | 122   | 100.0       | 28     | 9  | US-09-953-021B-6  |
| 9          | 122   | 100.0       | 28     | 14 | US-10-091-258-6   |
| 10         | 122   | 100.0       | 28     | 14 | US-10-055-259-6   |
| 11         | 122   | 100.0       | 28     | 15 | US-10-322-839-6   |
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| 31 | 122 | 100.0 | 30 | 10 | US-09-997-792-10  |
| 32 | 122 | 100.0 | 30 | 10 | US-09-997-792-15  |
| 33 | 122 | 100.0 | 30 | 10 | US-09-997-792-27  |
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| 35 | 122 | 100.0 | 30 | 12 | US-10-193-524A-19 |
| 36 | 122 | 100.0 | 30 | 12 | US-10-393-524A-20 |
| 37 | 122 | 100.0 | 30 | 12 | US-09-858-880-1   |
| 38 | 122 | 100.0 | 30 | 12 | US-09-858-880-2   |
| 39 | 122 | 100.0 | 30 | 12 | US-10-201-288-28  |
| 40 | 122 | 100.0 | 30 | 13 | US-10-072-540A-4  |
| 41 | 122 | 100.0 | 30 | 13 | US-10-125-255-1   |
| 42 | 122 | 100.0 | 30 | 14 | US-10-091-258-4   |
| 43 | 122 | 100.0 | 30 | 14 | US-10-055-259-4   |
| 44 | 122 | 100.0 | 30 | 14 | US-10-265-345A-2  |
| 45 | 122 | 100.0 | 30 | 14 | US-10-097-230-3   |

ALIGNMENTS

RESULT 1  
US-09-943-084-4  
; Sequence 4, Application US/09943084  
; Publication No. US20030050237A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; Qi, Hong  
; Gelfand, Robert A.  
; Geoghegan, Kieran P.  
; Panley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/943,084  
; FILING DATE: 31-Aug-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181,655  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sheyka, Robert P.  
; REGISTRATION NUMBER: 31,304  
; REFERENCE/DOCKET NUMBER: PC8391  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)573-1189

TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 4:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-943-084-4

Query Match 100.0%; Score 122; DB 10; Length 24;  
Best Local Similarity 100.0%; Pred. No. 6e-12; Indels 0; Gaps 0;  
Matches 24; Conservative 0; Mismatches 0;  
QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
DB 1 FTSDVSSYLEGQAAKEFIAMLVKG 24

RESULT 2  
US-09-943-084-2  
Sequence 2, Application US/09943084  
Publication No. US20030050237A1  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 2:  
LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-943-084-2

Query Match 100.0%; Score 122; DB 10; Length 26;  
Best Local Similarity 100.0%; Pred. No. 6.6e-12; Indels 0; Gaps 0;  
Matches 24; Conservative 0; Mismatches 0;  
QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
DB 1 FTSDVSSYLEGQAAKEFIAMLVKG 24

RESULT 3  
US-09-943-084-3  
Sequence 3, Application US/09943084  
Publication No. US20030050237A1  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:

REFERENCE/DOCKET NUMBER: PC83191  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 3:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-943-084-3

Query Match 100.0%; Score 122; DB 10; Length 26;  
Best Local Similarity 100.0%; Pred. No. 6.6e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
DB 2 FTSDVSSYLEGQAAKEFIAMLVKG 25

RESULT 4  
US-09-851-738-6  
Sequence 6, Application US/09851738  
Patent No. US20020055460A1  
GENERAL INFORMATION:  
APPLICANT: Coolidge, Thomas R.  
TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
TITLE OF INVENTION: Ischemic and Reperfused Tissue  
FILE REFERENCE: P03660US1  
CURRENT APPLICATION NUMBER: US/09/851,738  
CURRENT FILING DATE: 2001-05-09  
PRIOR APPLICATION NUMBER: 09/302,596  
PRIOR FILING DATE: 1999-04-30  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: mammalian  
US-09-851-738-6

Query Match 100.0%; Score 122; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.1e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
DB 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 5  
US-09-805-507-6  
Sequence 6, Application US/09805507

Patent No. US20020098195A1  
GENERAL INFORMATION:  
APPLICANT: COOLIDGE, THOMAS R.  
APPLICANT: EHLERS, MARIO  
TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
FILE REFERENCE: 089187/0395  
CURRENT APPLICATION NUMBER: US/09/805,507  
CURRENT FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 09/859,804  
PRIOR FILING DATE: 2001-05-18  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Truncated form  
OTHER INFORMATION: of GLP-1  
US-09-805-507-6

Query Match 100.0%; Score 122; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.1e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
DB 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 6  
US-09-859-804-6  
Sequence 6, Application US/09859804  
Patent No. US20020107206A1  
GENERAL INFORMATION:  
APPLICANT: COOLIDGE, THOMAS R.  
APPLICANT: EHLERS, MARIO  
TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
FILE REFERENCE: 089187/0395  
CURRENT APPLICATION NUMBER: US/09/859,804  
CURRENT FILING DATE: 2001-05-18  
PRIOR APPLICATION NUMBER: 60/205,239  
PRIOR FILING DATE: 2000-05-19  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Truncated form  
OTHER INFORMATION: of GLP-1  
US-09-859-804-6

Query Match 100.0%; Score 122; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.1e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
DB 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 7  
US-09-982-978-6  
Sequence 6, Application US/09982978  
Patent No. US20020146405A1  
GENERAL INFORMATION:  
APPLICANT: COOLIDGE, THOMAS R.  
APPLICANT: EHLERS, MARIO  
TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
FILE REFERENCE: 089187/0395  
CURRENT APPLICATION NUMBER: US/09/982,978

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; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-982-978-6

Query Match      100.0%; Score 122; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 7.1e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

RESULT 8
US-09-953-021B-6
; Sequence 6, Application US/09953021B
; Patent No. US20020147131A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas L.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Isch
; TITLE OF INVENTION: Reperfusion Skeletal Muscle Tissue
; FILE REFERENCE: P03660US6
; CURRENT APPLICATION NUMBER: US/09/953,021B
; CURRENT FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-953-021B-6

Query Match      100.0%; Score 122; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 7.1e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

RESULT 9
US-10-091-258-6
; Sequence 6, Application US/10091258
; Publication No. US20030073626A1
; GENERAL INFORMATION:
; APPLICANT: Hathaway, David R
; APPLICANT: Coolidge, Thomas R
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL VASCULAR DISEASE
; FILE REFERENCE: RGN-2
; CURRENT APPLICATION NUMBER: US/10/091,258
; CURRENT FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
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US-10-091-258-6

Query Match      100.0%; Score 122; DB 14; Length 28;
Best Local Similarity 100.0%; Pred. No. 7.1e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

RESULT 10
US-10-055-259-6
; Sequence 6, Application US/10055259
; Publication No. US20030091507A1
; GENERAL INFORMATION:
; APPLICANT: Holst, Jens J.
; APPLICANT: Vilsboll, Tina
; TITLE OF INVENTION: GLP-1 AS A DIAGNOSTIC TEST TO DETERMINE Beta-CELL FUNCTION AND
; TITLE OF INVENTION: PRESENCE OF THE CONDITION OF IGT AND TYPE-II DIABETES
; FILE REFERENCE: P03987US1
; CURRENT APPLICATION NUMBER: US/10/055,259
; CURRENT FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-259-6

Query Match      100.0%; Score 122; DB 14; Length 28;
Best Local Similarity 100.0%; Pred. No. 7.1e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27

RESULT 11
US-10-322-839-6
; Sequence 6, Application US/10322839
; Publication No. US20040002454A1
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: P05671US2
; CURRENT APPLICATION NUMBER: US/10/322,839
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: US 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
US-10-322-839-6

Query Match      100.0%; Score 122; DB 15; Length 28;
Best Local Similarity 100.0%; Pred. No. 7.1e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQKEFIAMLVKG 27
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## RESULT 12

US-10-291-226-125  
; Sequence 125, Application US/10291226  
; Publication No. US20040106547A1  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291.226  
; PRIOR FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US/09/614,847  
; PRIOR FILING DATE: 12000-07-12  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)  
US-10-291-226-125

Query Match 100.0%; Score 122; DB 16; Length 29;  
Best Local Similarity 100.0%; Pred. No. 7.1e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

## RESULT 13

US-09-851-738-5  
; Sequence 5, Application US/09851738  
; Patent No. US20020055460A1  
; GENERAL INFORMATION:  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Ehlers, Mario R.W.  
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
; TITLE OF INVENTION: Ischemic and Reperfusion Tissue  
; FILE REFERENCE: P03660US1  
; CURRENT APPLICATION NUMBER: US/09/851,738  
; CURRENT FILING DATE: 2001-05-09  
; PRIOR APPLICATION NUMBER: 09/302,596  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-851-738-5

Query Match 100.0%; Score 122; DB 9; Length 29;  
Best Local Similarity 100.0%; Pred. No. 7.4e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

## RESULT 14

US-09-805-507-5  
; Sequence 5, Application US/09805507  
; Patent No. US20020098195A1  
; GENERAL INFORMATION:

; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/805,507  
; CURRENT FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 09/859,804  
; PRIOR FILING DATE: 2001-05-18  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form  
; OTHER INFORMATION: of GLP-1  
US-09-805-507-5

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Best Local Similarity 100.0%; Pred. No. 7.4e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

## RESULT 15

US-09-859-804-5  
; Sequence 5, Application US/09859804  
; Patent No. US20020107206A1  
; GENERAL INFORMATION:  
; APPLICANT: COOLIDGE, THOMAS R.  
; APPLICANT: EHLERS, MARIO  
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
; FILE REFERENCE: 089187/0395  
; CURRENT APPLICATION NUMBER: US/09/859,804  
; CURRENT FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: 60/205,239  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form  
; OTHER INFORMATION: of GLP-1  
US-09-859-804-5

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Best Local Similarity 100.0%; Pred. No. 7.4e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

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OM protein - protein search, using sw model

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Perfect score: 122  
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Pred. No. is the number of results predicted by chance to have a  
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and is derived by analysis of the total score distribution.

SUMMARIES

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| 2  | 122 | 100.0 | 26 | US-09-943-084-2   | Sequence 2, Appli  |
| 3  | 122 | 100.0 | 26 | US-09-943-084-3   | Sequence 3, Appli  |
| 4  | 122 | 100.0 | 28 | PCT-US02-13088-6  | Sequence 6, Appli  |
| 5  | 122 | 100.0 | 28 | US-09-646-433-6   | Sequence 6, Appli  |
| 6  | 122 | 100.0 | 28 | US-09-719-410-6   | Sequence 6, Appli  |
| 7  | 122 | 100.0 | 28 | US-09-851-738-6   | Sequence 6, Appli  |
| 8  | 122 | 100.0 | 28 | US-09-859-804-6   | Sequence 6, Appli  |
| 9  | 122 | 100.0 | 28 | US-09-933-021-6   | Sequence 6, Appli  |
| 10 | 122 | 100.0 | 28 | US-09-933-021B-6  | Sequence 6, Appli  |
| 11 | 122 | 100.0 | 28 | US-09-982-578-6   | Sequence 6, Appli  |
| 12 | 122 | 100.0 | 28 | US-10-055-259-6   | Sequence 6, Appli  |
| 13 | 122 | 100.0 | 28 | US-10-091-258-6   | Sequence 6, Appli  |
| 14 | 122 | 100.0 | 28 | US-10-291-226-125 | Sequence 125, App  |
| 15 | 122 | 100.0 | 28 | US-10-322-839-6   | Sequence 6, Appli  |
| 16 | 122 | 100.0 | 29 | PCT-US02-13088-5  | Sequence 5, Appli  |
| 17 | 122 | 100.0 | 29 | PCT-US02-25227-24 | Sequence 24, Appli |
| 18 | 122 | 100.0 | 29 | PCT-US03-26778-8  | Sequence 8, Appli  |
| 19 | 122 | 100.0 | 29 | PCT-US03-26818-8  | Sequence 8, Appli  |
| 20 | 122 | 100.0 | 29 | US-07-899-073-4   | Sequence 4, Appli  |
| 21 | 122 | 100.0 | 29 | US-08-044-133-4   | Sequence 4, Appli  |
| 22 | 122 | 100.0 | 29 | US-08-350-538-52  | Sequence 52, Appli |
| 23 | 122 | 100.0 | 29 | US-08-356-231-4   | Sequence 4, Appli  |
| 24 | 122 | 100.0 | 29 | US-08-934-171-52  | Sequence 52, Appli |
| 25 | 122 | 100.0 | 29 | US-09-206-833-118 | Sequence 77, Appli |
| 26 | 122 | 100.0 | 29 | US-09-206-833-77  | Sequence 118, App  |
| 27 | 122 | 100.0 | 29 | US-09-400-802A-3  | Sequence 3, Appli  |
| 28 | 122 | 100.0 | 29 | US-09-646-433-5   | Sequence 5, Appli  |
| 29 | 122 | 100.0 | 29 | US-09-719-410-5   | Sequence 5, Appli  |
| 30 | 122 | 100.0 | 29 | US-09-762-538-3   | Sequence 3, Appli  |
| 31 | 122 | 100.0 | 29 | US-09-851-738-5   | Sequence 5, Appli  |
| 32 | 122 | 100.0 | 29 | US-09-859-804-5   | Sequence 5, Appli  |
| 33 | 122 | 100.0 | 29 | US-09-933-021-5   | Sequence 5, Appli  |
| 34 | 122 | 100.0 | 29 | US-09-982-578-5   | Sequence 5, Appli  |
| 35 | 122 | 100.0 | 29 | US-09-982-578-5   | Sequence 5, Appli  |
| 36 | 122 | 100.0 | 29 | US-10-055-259-5   | Sequence 5, Appli  |
| 37 | 122 | 100.0 | 29 | US-10-091-258-5   | Sequence 5, Appli  |
| 38 | 122 | 100.0 | 29 | US-10-169-657-7   | Sequence 7, Appli  |
| 39 | 122 | 100.0 | 29 | US-10-215-272-24  | Sequence 24, Appli |
| 40 | 122 | 100.0 | 29 | US-10-322-839-5   | Sequence 5, Appli  |
| 41 | 122 | 100.0 | 29 | US-10-378-094-8   | Sequence 8, Appli  |
| 42 | 122 | 100.0 | 29 | US-60-460-829-8   | Sequence 8, Appli  |
| 43 | 122 | 100.0 | 30 | PCT-US02-13088-4  | Sequence 4, Appli  |
| 44 | 122 | 100.0 | 30 | PCT-US02-24141-1  | Sequence 1, Appli  |
| 45 | 122 | 100.0 | 30 | PCT-US02-24141-3  | Sequence 3, Appli  |

ALIGNMENTS

RESULT 1  
US-09-943-084-4  
; Sequence 4, Application US/09943084  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; Qi, Hong  
; Gelfand, Robert A.  
; Geoghegan, Kieran F.  
; Danley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/09/943,084  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A

## INFORMATION FOR SEQ ID NO: 4:

LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-943-084-4

Query Match 100.0%; Score 122; DB 24; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.9e-11;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEPIAWLVKG 24  
Db 1 FTSDVSSYLEGQAQKEPIAWLVKG 24

## RESULT 2

US-09-943-084-2

Sequence 2, Application US/09943084

## GENERAL INFORMATION:

APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.

TITLE OF INVENTION: Prolonged Delivery of Peptides

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/09/943,084  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A

## INFORMATION FOR SEQ ID NO: 2:

LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-943-084-2

Query Match 100.0%; Score 122; DB 24; Length 26;  
Best Local Similarity 100.0%; Pred. No. 2.1e-11;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEPIAWLVKG 24  
Db 1 FTSDVSSYLEGQAQKEPIAWLVKG 24

## RESULT 3

US-09-943-084-3

Sequence 3, Application US/09943084

## GENERAL INFORMATION:

APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.

TITLE OF INVENTION: Prolonged Delivery of Peptides

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Shevka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 3:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-943-084-3

Query Match 100.0%; Score 122; DB 24; Length 26;  
Best Local Similarity 100.0%; Pred. No. 2.1e-11;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
Db 2 FTSDVSSYLEGQAAKEFIAMLVKG 25

RESULT 4  
PCT-US02-13088-6  
; Sequence 6, Application PC/TUS0213088  
; GENERAL INFORMATION:  
; APPLICANT: Restoragen, Inc.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH  
; FILE REFERENCE: RGN-3  
; CURRENT APPLICATION NUMBER: PCT/US02/13088  
; CURRENT FILING DATE: 2002-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: mammalian  
PCT-US02-13088-6

Query Match 100.0%; Score 122; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.3e-11;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 5  
US-09-646-433-6  
; Sequence 6, Application US/09646433  
; GENERAL INFORMATION:  
; APPLICANT: Goke, Burkhard  
; APPLICANT: Schirra, Jorg  
; TITLE OF INVENTION: HUMAN APPETITE CONTROL BY GLUCAGON-LIKE PEPTIDE RECEPTOR BINDING  
; FILE REFERENCE: P03893US1  
; CURRENT APPLICATION NUMBER: US/09/646,433  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: US 60/189,091  
; PRIOR FILING DATE: 2000-03-14  
; PRIOR APPLICATION NUMBER: PCT/US99/05571  
; PRIOR FILING DATE: 1999-03-16  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1  
US-09-646-433-6

Query Match 100.0%; Score 122; DB 20; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.3e-11;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 6  
US-09-719-410-6  
; Sequence 6, Application US/09719410  
; GENERAL INFORMATION:  
; APPLICANT: Goke, Burkhard  
; APPLICANT: Byrne, Maria  
; TITLE OF INVENTION: Glucagon-Like Peptide-1 Improves the Ability of the  
; TITLE OF INVENTION: B-Cell to Sense and Respond to Glucose in Subjects with  
; FILE REFERENCE: P03986US2  
; CURRENT APPLICATION NUMBER: US/09/719,410  
; CURRENT FILING DATE: 2000-12-12  
; PRIOR APPLICATION NUMBER: PCT/US99/10040  
; PRIOR FILING DATE: 1999-05-07  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-719-410-6

Query Match 100.0%; Score 122; DB 21; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.3e-11;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
Db 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 7  
US-09-851-738-6  
; Sequence 6, Application US/09851738  
; GENERAL INFORMATION:

```
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Is
; TITLE OF INVENTION: Ischemic and Reperfused Tissue
; FILE REFERENCE: P03660051
; CURRENT APPLICATION NUMBER: US/09/951,738
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
US-09-951-738-6

Query Match      100.0%; Score 122; DB 23; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 8
US-09-859-804-6
; Sequence 6, Application US/09859804
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/859,804
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-859-804-6

Query Match      100.0%; Score 122; DB 23; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 9
US-09-953-021-6
; Sequence 6, Application US/09953021
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the
; TITLE OF INVENTION: Function of
; TITLE OF INVENTION: Ischemic and Reperfused Tissue
; FILE REFERENCE: P03660051
; CURRENT APPLICATION NUMBER: US/09/953,021
; CURRENT FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
US-09-953-021-6

Query Match      100.0%; Score 122; DB 25; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 10
US-09-953-021B-6
; Sequence 6, Application US/09953021B
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas L.
; APPLICANT: Ehlers, Mario R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Is
; TITLE OF INVENTION: Reperfused Skeletal Muscle Tissue
; FILE REFERENCE: P03660056
; CURRENT APPLICATION NUMBER: US/09/953,021B
; CURRENT FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Unknown Organism
US-09-953-021B-6

Query Match      100.0%; Score 122; DB 25; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAAKEFIAMLVKG 27

RESULT 11
US-09-982-978-6
; Sequence 6, Application US/09982978
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/982,978
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-982-978-6

Query Match      100.0%; Score 122; DB 25; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
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Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FTSDVSSYLEGQAQAEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQAEFIAMLVKG 27

RESULT 12
US-10-055-259-6
; Sequence 6, Application US/10055259
; GENERAL INFORMATION:
; APPLICANT: Holst, Jens J.
; APPLICANT: Vilsbøll, Tina
; TITLE OF INVENTION: GLP-1 AS A DIAGNOSTIC TEST TO DETERMINE BETA-CELL FUNCTION AND TH
; FILE REFERENCE: P03987U81
; CURRENT APPLICATION NUMBER: US/10/055,259
; CURRENT FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-259-6

Query Match 100.0%; Score 122; DB 26; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FTSDVSSYLEGQAQAEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQAEFIAMLVKG 27

RESULT 13
US-10-091-258-6
; Sequence 6, Application US/10091258
; GENERAL INFORMATION:
; APPLICANT: Hathaway, David R
; APPLICANT: Coolidge, Thomas R
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL VASCULAR DISEASE
; FILE REFERENCE: RGN-2
; CURRENT APPLICATION NUMBER: US/10/091,258
; CURRENT FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: mammalian
US-10-091-258-6

Query Match 100.0%; Score 122; DB 26; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FTSDVSSYLEGQAQAEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQAEFIAMLVKG 27

RESULT 14
US-10-291-226-125
; Sequence 125, Application US/10291226
; GENERAL INFORMATION:
; APPLICANT: Larsen, Bjarne Due
; APPLICANT: Mikkelsen, Jens Mollgaard
; APPLICANT: Neve, Søren
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY
; FILE REFERENCE: 55511(45487)
; CURRENT APPLICATION NUMBER: US/10/291,226
; CURRENT FILING DATE: 2002-11-08
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; PRIOR APPLICATION NUMBER: US/09/614,847
; PRIOR FILING DATE: 12000-07-12
; PRIOR APPLICATION NUMBER: US 60/143,591
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 125
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)
US-10-291-226-125

Query Match 100.0%; Score 122; DB 28; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FTSDVSSYLEGQAQAEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQAEFIAMLVKG 27

RESULT 15
US-10-322-839-6
; Sequence 6, Application US/10322839
; GENERAL INFORMATION:
; APPLICANT: Coolidge, Thomas R.
; APPLICANT: Ehlers, Mario
; APPLICANT: Ehlers, Mario
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: P05671U52
; CURRENT APPLICATION NUMBER: US/10/322,839
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
US-10-322-839-6

Query Match 100.0%; Score 122; DB 29; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e-11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FTSDVSSYLEGQAQAEFIAMLVKG 24
Db 4 FTSDVSSYLEGQAQAEFIAMLVKG 27

Search completed: July 3, 2004, 00:46:14
Job time : 154.839 secs
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:25:27 ; Search time 11.3292 Seconds  
(without alignments)  
105.442 Million cell updates/sec

Title: US-09-943-084-4  
Perfect score: 122  
Sequence: 1 FTSDVSSYLEGQAKKEFTIAWLKVG 24

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 327902 seqs, 49773865 residues

Total number of hits satisfying chosen parameters: 327902

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents AA New:  
1: /cgn2\_6/prodata/2/paa/US05\_NEW COMB.pap.\*  
2: /cgn2\_6/prodata/2/paa/US06\_NEW COMB.pap.\*  
3: /cgn2\_6/prodata/2/paa/US07\_NEW COMB.pap.\*  
4: /cgn2\_6/prodata/2/paa/US08\_NEW COMB.pap.\*  
5: /cgn2\_6/prodata/2/paa/US09\_NEW COMB.pap.\*  
6: /cgn2\_6/prodata/2/paa/US10\_NEW COMB.pap.\*  
7: /cgn2\_6/prodata/2/paa/US60\_NEW COMB.pap.\*

pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID                 | Description        |
|------------|-------|-------------|--------|--------------------|--------------------|
| 1          | 122   | 100.0       | 28     | US-10-291-226A-125 | Sequence 125, Appl |
| 2          | 122   | 100.0       | 29     | US-10-716-326-24   | Sequence 24, Appl  |
| 3          | 122   | 100.0       | 29     | US-10-715-976-24   | Sequence 24, Appl  |
| 4          | 122   | 100.0       | 29     | US-10-715-976-24   | Sequence 24, Appl  |
| 5          | 122   | 100.0       | 30     | PCT-US04-04421-344 | Sequence 344, Appl |
| 6          | 122   | 100.0       | 30     | PCT-US04-04421-344 | Sequence 344, Appl |
| 7          | 122   | 100.0       | 30     | PCT-US04-04421-728 | Sequence 728, Appl |
| 8          | 122   | 100.0       | 30     | PCT-US04-04421-774 | Sequence 774, Appl |
| 9          | 122   | 100.0       | 30     | PCT-US04-04421-775 | Sequence 775, Appl |
| 10         | 122   | 100.0       | 30     | PCT-US04-04421-778 | Sequence 778, Appl |
| 11         | 122   | 100.0       | 30     | PCT-US04-06462-90  | Sequence 90, Appl  |
| 12         | 122   | 100.0       | 30     | PCT-US04-06082-2   | Sequence 2, Appl   |
| 13         | 122   | 100.0       | 30     | US-09-716-166-14   | Sequence 14, Appl  |
| 14         | 122   | 100.0       | 30     | US-09-635-679E-4   | Sequence 4, Appl   |
| 15         | 122   | 100.0       | 30     | US-10-485-140-1    | Sequence 1, Appl   |
| 16         | 122   | 100.0       | 30     | US-10-485-140-3    | Sequence 3, Appl   |
| 17         | 122   | 100.0       | 30     | US-10-485-140-4    | Sequence 4, Appl   |
| 18         | 122   | 100.0       | 30     | US-10-291-226A-87  | Sequence 87, Appl  |
| 19         | 122   | 100.0       | 30     | US-10-291-226A-112 | Sequence 112, Appl |
| 20         | 122   | 100.0       | 30     | US-10-291-226A-113 | Sequence 113, Appl |
| 21         | 122   | 100.0       | 30     | US-10-291-226A-114 | Sequence 114, Appl |
| 22         | 122   | 100.0       | 30     | US-10-775-180-698  | Sequence 698, Appl |
| 23         | 122   | 100.0       | 30     | US-10-775-204-1808 | Sequence 1808, Ad  |
| 24         | 122   | 100.0       | 30     | US-10-769-080-1    | Sequence 1, Appl   |
| 25         | 122   | 100.0       | 30     | US-10-488-341-4    | Sequence 4, Appl   |
| 26         | 122   | 100.0       | 30     | US-10-716-326-25   | Sequence 25, Appl  |
| 27         | 122   | 100.0       | 30     | US-10-811-646-5    | Sequence 5, Appl   |

|    |     |       |    |   |                    |                    |
|----|-----|-------|----|---|--------------------|--------------------|
| 27 | 122 | 100.0 | 30 | 6 | US-10-715-976-25   | Sequence 25, Appl  |
| 28 | 122 | 100.0 | 30 | 6 | US-10-741-534-1    | Sequence 1, Appl   |
| 29 | 122 | 100.0 | 30 | 7 | US-60-549-567-48   | Sequence 48, Appl  |
| 30 | 122 | 100.0 | 31 | 1 | PCT-US04-04421-776 | Sequence 776, Appl |
| 31 | 122 | 100.0 | 31 | 1 | PCT-US04-06462-32  | Sequence 32, Appl  |
| 32 | 122 | 100.0 | 31 | 1 | PCT-US04-06462-91  | Sequence 91, Appl  |
| 33 | 122 | 100.0 | 31 | 1 | PCT-US04-06462-92  | Sequence 92, Appl  |
| 34 | 122 | 100.0 | 31 | 1 | PCT-US04-06462-94  | Sequence 94, Appl  |
| 35 | 122 | 100.0 | 31 | 1 | PCT-US04-06082-1   | Sequence 1, Appl   |
| 36 | 122 | 100.0 | 31 | 5 | US-09-716-166-13   | Sequence 13, Appl  |
| 37 | 122 | 100.0 | 31 | 6 | US-10-485-140-8    | Sequence 8, Appl   |
| 38 | 122 | 100.0 | 31 | 6 | US-10-485-619-3    | Sequence 3, Appl   |
| 39 | 122 | 100.0 | 31 | 6 | US-10-291-226A-111 | Sequence 111, Appl |
| 40 | 122 | 100.0 | 31 | 6 | US-10-291-226A-123 | Sequence 123, Appl |
| 41 | 122 | 100.0 | 31 | 6 | US-10-291-226A-124 | Sequence 124, Appl |
| 42 | 122 | 100.0 | 31 | 6 | US-10-486-333-1    | Sequence 1, Appl   |
| 43 | 122 | 100.0 | 31 | 6 | US-10-723-099A-2   | Sequence 2, Appl   |
| 44 | 122 | 100.0 | 31 | 6 | US-10-723-099A-17  | Sequence 17, Appl  |
| 45 | 122 | 100.0 | 31 | 6 | US-10-723-099A-27  | Sequence 27, Appl  |

ALIGNMENTS

RESULT 1  
US-10-291-226A-125  
; Sequence 125, Application US/10291226A  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelson, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226A  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)  
US-10-291-226A-125

|  |        |                           |        |               |
|--|--------|---------------------------|--------|---------------|
| Query Match  | 100.0% | Score 122;                | DB 6;  | Length 28;    |
| Best Local Similarity  | 100.0% | Pred. No. 4.2e-12;        |        |               |
| Matches  | 24;    | Conservative              | 0;     | Mismatches 0; |
|  |        |                           | Indels | 0; Gaps 0;    |
| QY   | 1      | FTSDVSSYLEGQAKKEFTIAWLKVG | 24     |               |
| DB   | 4      | FTSDVSSYLEGQAKKEFTIAWLKVG | 27     |               |
| RESULT 2   |        |                           |        |               |
| US-10-716-326-24   |        |                           |        |               |
| ; Sequence 24, Application US/10716326   |        |                           |        |               |
| ; GENERAL INFORMATION:   |        |                           |        |               |
| ; APPLICANT: Genzyme Corporation   |        |                           |        |               |
| ; APPLICANT: Wadsworth, Samuel   |        |                           |        |               |
| ; APPLICANT: Armentano, Donna  |        |                           |        |               |
| ; APPLICANT: Gregory, Richard J.   |        |                           |        |               |
| ; APPLICANT: Parsons, Geoffrey   |        |                           |        |               |
| ; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders |        |                           |        |               |
| ; FILE REFERENCE: 5062CIP  |        |                           |        |               |
| ; CURRENT APPLICATION NUMBER: US/10/716,326  |        |                           |        |               |
| ; CURRENT FILING DATE: 2003-11-17  |        |                           |        |               |
| ; PRIOR APPLICATION NUMBER: US 10/215,272  |        |                           |        |               |
| ; PRIOR FILING DATE: 2002-08-07  |        |                           |        |               |
| ; PRIOR APPLICATION NUMBER: US 60/310,982  |        |                           |        |               |
| ; PRIOR FILING DATE: 2001-08-08  |        |                           |        |               |

```

1  FTSDVSSYLEGQAAKEFIANLVKG 24
|||||
6  FTSDVSSYLEGQAAKEFIANLVKG 29
|||||

RESULT 6
PCT-US04-04421-728
; Sequence 728, Application PC/TUS0404421
; GENERAL INFORMATION:
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS
; APPLICANT: SCIENTIFIQUES, S.A.S
; APPLICANT: DONG, ZHENG ZIN
; TITLE OF INVENTION: ANALOGUES OF GLP-1
; FILE REFERENCE: 129P-PCT2
; CURRENT APPLICATION NUMBER: PCT/US04/04421
; CURRENT FILING DATE: 2004-02-17
; NUMBER OF SEQ ID NOS: 781
; PRIOR APPLICATION NUMBER: 60/449,203
; PRIOR FILING DATE: 2003-02-19
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 728

```

LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1  
OTHER INFORMATION: Peptide  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: {30}..(30)  
OTHER INFORMATION: D-Arg  
FEATURE:  
OTHER INFORMATION: c-term amidation  
PCT-US04-04421-728

Query Match 100.0%; Score 122; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
|||||  
DB 6 FTSDVSSYLEGQAAKEFIAMLVKG 29

RESULT 7  
PCT-US04-04421-774  
Sequence 774, Application PC/TUS0404421  
GENERAL INFORMATION:  
APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
APPLICANT: SCIENTIFIQUES, S.A.S  
APPLICANT: DONG, ZHENG ZIN  
TITLE OF INVENTION: ANALOGUES OF GLP-1  
FILE REFERENCE: 129P-PCT2  
CURRENT APPLICATION NUMBER: PCT/US04/04421  
CURRENT FILING DATE: 2004-02-17  
NUMBER OF SEQ ID NOS: 781  
PRIOR APPLICATION NUMBER: 60/449,203  
PRIOR FILING DATE: 2003-02-19  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 774  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Illustrative synthetic  
OTHER INFORMATION: modified hGLP-1 peptide  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: (2)..(2)  
FEATURE:  
OTHER INFORMATION: A5C  
OTHER INFORMATION: c-term amidation  
PCT-US04-04421-774

Query Match 100.0%; Score 122; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
|||||  
DB 6 FTSDVSSYLEGQAAKEFIAMLVKG 29

RESULT 8  
PCT-US04-04421-775  
Sequence 775, Application PC/TUS0404421  
GENERAL INFORMATION:  
APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
APPLICANT: SCIENTIFIQUES, S.A.S  
APPLICANT: DONG, ZHENG ZIN  
TITLE OF INVENTION: ANALOGUES OF GLP-1  
FILE REFERENCE: 129P-PCT2  
CURRENT APPLICATION NUMBER: PCT/US04/04421  
CURRENT FILING DATE: 2004-02-17

NUMBER OF SEQ ID NOS: 781  
PRIOR APPLICATION NUMBER: 60/449,203  
PRIOR FILING DATE: 2003-02-19  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 775  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: Illustrative hGLP-1(7-36)  
FEATURE:  
OTHER INFORMATION: c-term may or may not be amidated  
PCT-US04-04421-775

Query Match 100.0%; Score 122; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
|||||  
DB 6 FTSDVSSYLEGQAAKEFIAMLVKG 29

RESULT 9  
PCT-US04-04421-778  
Sequence 778, Application PC/TUS0404421  
GENERAL INFORMATION:  
APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
APPLICANT: SCIENTIFIQUES, S.A.S  
APPLICANT: DONG, ZHENG ZIN  
TITLE OF INVENTION: ANALOGUES OF GLP-1  
FILE REFERENCE: 129P-PCT2  
CURRENT APPLICATION NUMBER: PCT/US04/04421  
CURRENT FILING DATE: 2004-02-17  
NUMBER OF SEQ ID NOS: 781  
PRIOR APPLICATION NUMBER: 60/449,203  
PRIOR FILING DATE: 2003-02-19  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 778  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified  
OTHER INFORMATION: hGLP-1 peptide  
FEATURE:  
OTHER INFORMATION: c-term amidation  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: (1)..(1)  
OTHER INFORMATION: Tma-His  
PCT-US04-04421-778

Query Match 100.0%; Score 122; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVKG 24  
|||||  
DB 6 FTSDVSSYLEGQAAKEFIAMLVKG 29

RESULT 10  
PCT-US04-06462-90  
Sequence 90, Application PC/TUS0406462  
GENERAL INFORMATION:  
APPLICANT: Biorexix Pharmaceutical Corp.  
APPLICANT: Sadeghi, Homayoun  
APPLICANT: Prior, Christopher P.  
APPLICANT: Ballance, David J.  
TITLE OF INVENTION: Dipeptidyl peptidase protected proteins  
FILE REFERENCE: 54710-5010-WO  
CURRENT APPLICATION NUMBER: PCT/US04/06462



```

, CURRENT FILING DATE: 2004-03-04
, PRIOR APPLICATION NUMBER: US 10/378,094
, PRIOR FILING DATE: 2003-03-04
, PRIOR APPLICATION NUMBER: PCT/US 03/26818
, PRIOR FILING DATE: 2003-08-28
, NUMBER OF SEQ ID NOS: 119
, SOFTWARE: PatentIn version 3.2
, SEQ ID NO 90
, LENGTH: 30
, TYPE: PRT
, ORGANISM: artificial
, FEATURE:
, OTHER INFORMATION: ABG modified GLP-1
PCT-US04-06462-90

```

```
Query Match      100.0%; Score 122; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 24; Conservative 0; Mismatches 0 Indels
```

QY 1 FTSDVSSYLEGQAAKEFIAWLKVG 24  
|||  
Db 6 FTSDVSSYLEGQAAKEFIAWLKVG 29  
|||

RESULT 11

```

PCT-US04-06082-2
; Sequence 2, Application PC/TUS0406082
; GENERAL INFORMATION:
; APPLICANT: Eli Lilly and Company
; TITLE OF INVENTION: Polyethylene Glycol Linked GLP-1 Compounds
; FILE REFERENCE: X-16020
; CURRENT APPLICATION NUMBER: PCT/US04/06082
; CURRENT FILING DATE: 2004-03-23
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-06082-2

```

Query Match 100.0%; Score 122; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 24; Conservative 0; Mismatches 0; Indels

QY 1 FTSDVSSYLEGOAAKEFIANLVKG 24  
|||  
Db 6 FTSDVSSYLEGOAAKEFIANLVKG 29  
|||

## RESULT 12

```

US-09-716-166-14
? Sequence 14, Application US/09716166
? GENERAL INFORMATION:
?
? APPLICANT: Treco, Douglas A.
? APPLICANT: Cecino, Michael F.
? APPLICANT: Duguay, Stephen J.
? TITLE OF INVENTION: NUCLEIC ACID CONSTRUCT FOR OPTIMIZED
? TITLE OF INVENTION: PRODUCTION OF PRODUCTS
? FILE REFERENCE: 10278-014001
? CURRENT APPLICATION NUMBER: US/09/716.166
? CURRENT FILING DATE: 2000-11-17
? PRIOR APPLICATION NUMBER: US 60/166,508
? PRIOR FILING DATE: 1999-11-19
? NUMBER OF SEQ ID NOS: 14
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 14
? LENGTH: 30
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: synthetically generated polypeptide
US-09-716-166-14

```

US-09-716-166-14

```
Query Match      100.0%; Score 122; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 24; Conservative 0; Mismatches 0; Indels
```

|    |   |                          |    |
|----|---|--------------------------|----|
| Qy | 1 | FTSDVSSYLEGQAACEFIAWLVKG | 24 |
|    |   |                          |    |
| Db | 6 | FTSDVSSYLEGQAACEFIAWLVKG | 29 |

RESULT 13

```

US-09-635-679E-4
; Sequence 4, Application US/09635679E
; GENERAL INFORMATION:
; APPLICANT: Habener, Joel
; TITLE OF INVENTION: Insulintropic Hormone and Uses Thereof
; FILE REFERENCE: 0609.1090009
; CURRENT APPLICATION NUMBER: US/09/635,679E
; CURRENT FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: 09/090,949
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 08/749,762
; PRIOR FILING DATE: 1996-11-20
; PRIOR APPLICATION NUMBER: 08/156,800
; PRIOR FILING DATE: 1993-11-23
; PRIOR APPLICATION NUMBER: 07/756,215
; PRIOR FILING DATE: 1991-09-05
; PRIOR APPLICATION NUMBER: 07/532,111
; PRIOR FILING DATE: 1990-06-01
; PRIOR APPLICATION NUMBER: 07/148,517
; PRIOR FILING DATE: 1988-01-26
; PRIOR APPLICATION NUMBER: 06/859,928
; PRIOR FILING DATE: 1986-05-05
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: insulintropic peptide
US-09-635-679E-4

```

```

Query Match      100.0%; Score 122; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 24; Conservative 0; Mismatches 0 Indels

```

|  |    |                                       |    |
|--|----|---------------------------------------|----|
|  | Qy | FTSDVSSYLEGQAKEFI <del>A</del> LWKVG  | 24 |
|  |    |                                       |    |
|  | Eh | FTSDVSSYLEGQAKEFEI <del>F</del> LWKVG | 29 |

RESULT 14

```

US/10-485-140-1
; Sequence 1, Application US/10485140
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as represented by the
; APPLICANT: Secretary, Department of Health and Human Services
; APPLICANT: Greig, Nigel H.
; APPLICANT: Egan, Josephine
; APPLICANT: Doyle, Maire
; APPLICANT: Holloway, Harold
; TITLE OF INVENTION: GLR-1, EXENDIN-4, AND PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 14014.0396P1
; CURRENT APPLICATION NUMBER: US/10/485,140
; CURRENT FILING DATE: 2004-01-27
; PRIOR APPLICATION NUMBER: 60/309,076
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 30
; TYPE: PRT

```

```

; FEATURE:
; OTHER INFORMATION: synthetically generated polypeptide
US-09-716-166-14

```

```
; ORGANISM: Human
US-10-485-140-1
Query Match      100.0%; Score 122; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIWLKVG 24
   |||||
Db 6 FTSDVSSYLEGQAQKEFIWLKVG 29
   |||||

RESULT 15
US-10-485-140-3
; Sequence 3, Application US/10485140
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as represented by the
; APPLICANT: Secretary, Department of Health and Human Services
; APPLICANT: Greig, Nigel H.
; APPLICANT: Egan, Josephine
; APPLICANT: Doyle, Maire
; APPLICANT: Holloway, Harold
; TITLE OF INVENTION: GLP-1, EXENDIN-4, AND PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 14014.0396P1
; CURRENT APPLICATION NUMBER: US/10/485,140
; PRIOR FILING DATE: 2004-01-27
; PRIOR APPLICATION NUMBER: 60/309,076
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/Note =
; OTHER INFORMATION: Synthetic Construct
US-10-485-140-3
Query Match      100.0%; Score 122; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIWLKVG 24
   |||||
Db 6 FTSDVSSYLEGQAQKEFIWLKVG 29
   |||||

Search completed: July 3, 2004, 00:47:43
Job time : 12.3292 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:21:27 ; Search time 11.8571 Seconds  
(without alignments)  
100.142 Million cell updates/sec

Title: US-09-943-084-5

Perfect score: 116  
Sequence: 1 FTSDVSSYLEGOAKKEFTIAWLK 23

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5S\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6S\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PTOUT\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match % | Length | DB ID | Description       |
|------------|-------|---------------|--------|-------|-------------------|
| 1          | 116   | 100.0         | 28     | 1     | US-08-095-162-4   |
| 2          | 116   | 100.0         | 28     | 1     | US-08-297-731-9   |
| 3          | 116   | 100.0         | 28     | 1     | US-08-470-220A-4  |
| 4          | 116   | 100.0         | 28     | 3     | US-08-967-374-4   |
| 5          | 116   | 100.0         | 28     | 3     | US-09-302-596-6   |
| 6          | 116   | 100.0         | 28     | 3     | US-08-472-349-5   |
| 7          | 116   | 100.0         | 28     | 4     | US-09-333-415-6   |
| 8          | 116   | 100.0         | 28     | 4     | US-09-209-799D-8  |
| 9          | 116   | 100.0         | 28     | 4     | US-09-505-991-4   |
| 10         | 116   | 100.0         | 28     | 4     | US-09-303-016-6   |
| 11         | 116   | 100.0         | 28     | 4     | US-09-212-663-5   |
| 12         | 116   | 100.0         | 28     | 4     | US-09-614-847-125 |
| 13         | 116   | 100.0         | 28     | 4     | US-09-987-292A-6  |
| 14         | 116   | 100.0         | 28     | 4     | US-09-805-507-6   |
| 15         | 116   | 100.0         | 28     | 5     | PCT-US95-10793-9  |
| 16         | 116   | 100.0         | 28     | 5     | PCT-US95-15800-21 |
| 17         | 116   | 100.0         | 29     | 1     | US-08-095-162-18  |
| 18         | 116   | 100.0         | 29     | 1     | US-08-297-731-10  |
| 19         | 116   | 100.0         | 29     | 1     | US-08-297-731-11  |
| 20         | 116   | 100.0         | 29     | 1     | US-08-470-220A-18 |
| 21         | 116   | 100.0         | 29     | 3     | US-08-967-374-18  |
| 22         | 116   | 100.0         | 29     | 3     | US-09-302-596-5   |
| 23         | 116   | 100.0         | 29     | 3     | US-08-472-349-4   |
| 24         | 116   | 100.0         | 29     | 4     | US-09-333-415-5   |
| 25         | 116   | 100.0         | 29     | 4     | US-09-209-799D-9  |
| 26         | 116   | 100.0         | 29     | 4     | US-09-505-991-18  |
| 27         | 116   | 100.0         | 29     | 4     | US-09-303-016-5   |

28 116 100.0 29 4 US-09-997-792A-7 Sequence 7, Appli  
29 116 100.0 29 4 US-09-805-507-5 Sequence 5, Appli  
30 116 100.0 29 4 US-09-585-186A-3 Sequence 3, Appli  
31 116 100.0 29 5 PCT-US95-10793-10 Sequence 10, Appli  
32 116 100.0 29 5 PCT-US95-10793-11 Sequence 11, Appli  
33 116 100.0 30 1 US-08-066-480-6 Sequence 6, Appli  
34 116 100.0 30 1 US-08-095-162-1 Sequence 1, Appli  
35 116 100.0 30 1 US-08-297-731-12 Sequence 12, Appli  
36 116 100.0 30 1 US-08-470-220A-1 Sequence 1, Appli  
37 116 100.0 30 2 US-08-927-227-1 Sequence 1, Appli  
38 116 100.0 30 3 US-08-967-374-1 Sequence 1, Appli  
39 116 100.0 30 3 US-09-348-136-1 Sequence 1, Appli  
40 116 100.0 30 3 US-08-961-405A-5 Sequence 5, Appli  
41 116 100.0 30 3 US-08-915-918A-5 Sequence 5, Appli  
42 116 100.0 30 3 US-09-302-596-4 Sequence 4, Appli  
43 116 100.0 30 3 US-08-472-349-3 Sequence 3, Appli  
44 116 100.0 30 4 US-09-333-415-4 Sequence 4, Appli  
45 116 100.0 30 4 US-09-585-181A-4 Sequence 4, Appli

#### ALIGNMENTS

RESULT 1  
US-08-095-162-4  
; Sequence 4, Application US/08095162  
; Patent No. 5512459  
; GENERAL INFORMATION:  
; APPLICANT: Wagner, Fred W.  
; APPLICANT: Stout, Jay  
; APPLICANT: Henriksen, Dennis  
; APPLICANT: Partridge, Bruce  
; APPLICANT: Manning, Shane  
; TITLE OF INVENTION: Enzymatic Method for Modification of  
; TITLES OF INVENTION: Recombinant Polypeptides  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merchant & Gould  
; STREET: 3100 No. 5512459west Center  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/095,162  
; FILING DATE: 20-JUL-1993  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Nelson, Albin J.  
; REGISTRATION NUMBER: 28,659  
; REFERENCE/DOCKET NUMBER: 8648.32-US01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-332-5300  
; TELEFAX: 612-332-9081  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; IMMEDIATE SOURCE:  
; CLONING: GLP1 (7-34)

US-08-095-162-4  
Query Match 100.0%; Score 116; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
Db 6 FTSDVSSYLEGQAQKEFIAMLVK 28

## RESULT 2

US-08-297-731-9  
; Sequence 9, Application US/08297731  
; Patent No. 5574008  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, William T.  
; APPLICANT: Yakubu-Madus, Fatima E.  
; TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
; TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Eli Lilly and Company/RSM  
; STREET: Lilly Corporate Center  
; CITY: Indianapolis  
; STATE: IN  
; COUNTRY: USA  
; ZIP: 46285  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/297,731  
; FILING DATE:  
; CLASSIFICATION: S14  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maciak, Ronald S.  
; REGISTRATION NUMBER: 35,262  
; REFERENCE/DOCKET NUMBER: X9630  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 317-276-1664  
; TELEFAX: 317-277-1917  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 27..28  
; OTHER INFORMATION: /note= "C-terminal amide"  
US-08-297-731-9

Query Match 100.0%; Score 116; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
Db 4 FTSDVSSYLEGQAQKEFIAMLVK 26

## RESULT 3

US-08-470-220A-4  
; Sequence 4, Application US/08470220A  
; Patent No. 5707826  
; GENERAL INFORMATION:  
; APPLICANT: Wagner, Fred W.  
; APPLICANT: Stout, Jay  
; APPLICANT: Henriksen, Dennis  
; APPLICANT: Partridge, Bruce  
; APPLICANT: Manning, Shane  
; TITLE OF INVENTION: Enzymatic Method for Modification of  
; TITLE OF INVENTION: Recombinant Polypeptides  
; NUMBER OF SEQUENCES: 26

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merchant & Gould  
; STREET: 3100 No. 5707826west Center  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/470,220A  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/095,162  
; FILING DATE: 20-JUL-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Nelson, Albin J.  
; REGISTRATION NUMBER: 28,659  
; REFERENCE/DOCKET NUMBER: 8648.32-US01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-332-5300  
; TELEFAX: 612-332-9081  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; IMMEDIATE SOURCE:  
; CLONE: GLP1 (7-34)  
US-08-470-220A-4

Query Match 100.0%; Score 116; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
Db 6 FTSDVSSYLEGQAQKEFIAMLVK 28

## RESULT 4

US-08-367-374-4  
; Sequence 4, Application US/08967374  
; Patent No. 6037143  
; GENERAL INFORMATION:  
; APPLICANT: Wagner, Fred W.  
; APPLICANT: Stout, Jay  
; APPLICANT: Henriksen, Dennis  
; APPLICANT: Partridge, Bruce  
; APPLICANT: Manning, Shane  
; TITLE OF INVENTION: Enzymatic Method for Modification of  
; TITLE OF INVENTION: Recombinant Polypeptides  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merchant & Gould  
; STREET: 3100 No. 6037143west Center  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/967,374  
; FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA: 08/520,485  
APPLICATION NUMBER: 08/520,485  
FILING DATE: 29-AUG-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Carter, Charles G.  
REGISTRATION NUMBER: 35,093  
REFERENCE/DOCKET NUMBER: 8648.32-USD1  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
MOLECULE TYPE: linear  
IMMEDIATE SOURCE:  
CLONE: GLP1 (7-34)  
US-08-967-374-4

Query Match 100.0%; Score 116; DB 3; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQAEFIAMLVK 28

RESULT 5  
US-09-302-596-6  
Sequence 6, Application US/09302596  
Patent No. 6284725  
GENERAL INFORMATION:  
APPLICANT: Coolidge, Thomas R.  
TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
TITLE OF INVENTION: Ischemic and Reperfused Tissue  
FILE REFERENCE: P03660051  
CURRENT APPLICATION NUMBER: US/09/302,596  
CURRENT FILING DATE: 1999-04-30  
PRIOR APPLICATION NUMBER: 60/103,498  
PRIOR FILING DATE: 1998-10-08  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: Patent in Ver. 2.0  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: mammalian  
US-09-302-596-6

Query Match 100.0%; Score 116; DB 3; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVK 23  
DB 4 FTSDVSSYLEGQAQAEFIAMLVK 26

RESULT 6  
US-08-472-349-5  
Sequence 5, Application US/08472349  
Patent No. 6284727  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
APPLICANT: Lambert, William J.  
APPLICANT: Qi, Hong  
APPLICANT: Gelfand, Robert A.  
APPLICANT: Geoghegan, Kieran F.  
APPLICANT: Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides

NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/472,349  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/191,655  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PCB391  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
US-08-472-349-5

Query Match 100.0%; Score 116; DB 3; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQAEFIAMLVK 28

RESULT 7  
US-09-333-415-6  
Sequence 6, Application US/09333415  
Patent No. 6344180  
GENERAL INFORMATION:  
APPLICANT: Holst, Jens J.  
APPLICANT: Vilsboll, Tina  
TITLE OF INVENTION: GLP-1 as a Diagnostic Test to Determine Beta-Cell  
TITLE OF INVENTION: Function and the Presence of the Condition of IGT and  
TITLE OF INVENTION: Type-II Diabetes  
FILE REFERENCE: P03987050  
CURRENT APPLICATION NUMBER: US/09/333,415

SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/505,991  
 FILING DATE: 17-Feb-2000  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/520,485  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Carter, Charles G.  
 REGISTRATION NUMBER: 35,093  
 REFERENCE/DOCKET NUMBER: 8648.32-USDI  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 612-332-5300  
 TELEFAX: 612-332-9081  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 28 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 IMMEDIATE SOURCE:  
 CLONE: GLP1 (7-34)  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 US-09-505-991-4

Query Match 100.0%; Score 116; DB 4; Length 28;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
 DB 4 FTSDVSSYLEGQAQKEFIAMLVK 26

RESULT 8  
 US-09-209-799D-8  
 Sequence 8, Application US/09209799D  
 Patent No. 6380357  
 GENERAL INFORMATION:  
 APPLICANT: Hoffmann, Ronald  
 APPLICANT: Hoffmann, James  
 APPLICANT: Narasimhan, Chakravathy  
 TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS  
 FILE REFERENCE: X-10242  
 CURRENT APPLICATION NUMBER: US/09/209,799D  
 CURRENT FILING DATE: 1998-12-11  
 NUMBER OF SEQ ID NOS: 29  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO 8  
 LENGTH: 28  
 TYPE: PRT  
 ORGANISM: Artificial  
 FEATURE:  
 OTHER INFORMATION: synthetic construct  
 US-09-209-799D-8

Query Match 100.0%; Score 116; DB 4; Length 28;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
 DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28

RESULT 9  
 US-09-505-991-4  
 Sequence 4, Application US/09505991  
 Patent No. 6403361  
 GENERAL INFORMATION:  
 APPLICANT: Wagner, Fred W.  
 Stout, Jay  
 Heariksen, Dennis  
 Patridge, Bruce  
 Manning, Shane  
 TITLE OF INVENTION: Enzymatic Method for Modification of Recombinant Polypeptides  
 NUMBER OF SEQUENCES: 26  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Merchant & Gould  
 STREET: 3100 No. 6403361west Center  
 CITY: Minneapolis  
 STATE: MN  
 COUNTRY: USA  
 ZIP: 55402  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

Query Match 100.0%; Score 116; DB 4; Length 28;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
 DB 4 FTSDVSSYLEGQAQKEFIAMLVK 26

RESULT 11  
 US-09-212-663-5  
 Sequence 5, Application US/09212663  
 Patent No. 6461834  
 GENERAL INFORMATION:  
 APPLICANT: DORMADY, Dan

APPLICANT: STOUT, Jay S.  
APPLICANT: STRYDOM, Daniel J.  
APPLICANT: HOLMQUIST, Barton  
APPLICANT: WAGNER, Fred W.  
TITLE OF INVENTION: ENZYMATIC AMIDATION OF PEPTIDES  
FILE REFERENCE: 089187/0162  
CURRENT APPLICATION NUMBER: US/09/212,663  
PRIOR FILING DATE: 1998-12-16  
PRIOR APPLICATION NUMBER: US 60/107,311  
PRIOR FILING DATE: 1998-11-06  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Escherichia coli  
US-09-212-663-5

Query Match 100.0%; Score 116; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAAKEFIAMLVK 28

RESULT 12  
US-09-614-847-125  
Sequence 125, Application US/09614847  
Patent No. 6528486  
GENERAL INFORMATION:  
APPLICANT: Larsen, Bjarne Due  
APPLICANT: Mikkelsen, Jens Mollgaard  
APPLICANT: Neve, Soren  
TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
FILE REFERENCE: 55511(45487)  
CURRENT APPLICATION NUMBER: US/09/614,847  
PRIOR FILING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/143,591  
PRIOR FILING DATE: 1999-07-13  
NUMBER OF SEQ ID NOS: 153  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 125  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)  
US-09-614-847-125

Query Match 100.0%; Score 116; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23  
DB 4 FTSDVSSYLEGQAAKEFIAMLVK 26

RESULT 13  
US-09-997-792A-6  
Sequence 6, Application US/09997792A  
Patent No. 6555521  
GENERAL INFORMATION:  
APPLICANT: ELI LILLY and COMPANY  
TITLE OF INVENTION: Glucagon-Like Peptide-1 Crystals  
FILE REFERENCE: X-10242A  
CURRENT APPLICATION NUMBER: US/09/997,792A  
CURRENT FILING DATE: 2002-09-30  
PRIOR APPLICATION NUMBER: US 60/069,728  
PRIOR FILING DATE: 1997-12-16  
NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn version 3.1  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic Construct  
US-09-997-792A-6

Query Match 100.0%; Score 116; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAAKEFIAMLVK 28

RESULT 14  
US-09-805-507-6  
Sequence 6, Application US/09805507  
Patent No. 6579851  
GENERAL INFORMATION:  
APPLICANT: COOLIDGE, THOMAS R.  
APPLICANT: EHLERS, MARIO  
TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1  
FILE REFERENCE: 089187/0395  
CURRENT APPLICATION NUMBER: US/09/805,507  
CURRENT FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 09/859,804  
PRIOR FILING DATE: 2001-05-18  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Truncated form  
US-09-805-507-6

Query Match 100.0%; Score 116; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23  
DB 4 FTSDVSSYLEGQAAKEFIAMLVK 26

RESULT 15  
PCT-US95-10793-9  
Sequence 9, Application PC/TUS9510793  
GENERAL INFORMATION:  
APPLICANT: Johnson, William T.  
APPLICANT: Yakubu-Madus, Fatima E.  
TITLE OF INVENTION: BIOLOGICALLY ACTIVE FRAGMENTS OF  
TITLE OF INVENTION: GLUCAGON-LIKE INSULINOTROPIC PEPTIDE  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Eli Lilly and Company/RSM  
STREET: Lilly Corporate Center  
CITY: Indianapolis  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: PCT/US95/10793
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maciak, Ronald S.
; REGISTRATION NUMBER: 35,262
; REFERENCE/DOCKET NUMBER: X9630
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 317-276-1664
; TELEFAX: 317-277-1917
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 27..28
; OTHER INFORMATION: /note= "C-terminal amide"
; PCT-US95-10793-9

Query Match 100.0%; Score 116; DB 5; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.Be-11;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFTIAVLK 23
Db 4 FTSDVSSYLEGQAAKEFTIAVLK 26
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Search completed: July 3, 2004, 00:28:48  
Job time : 11.8571 secs



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OM protein - protein search, using sw model  
Run on: July 3, 2004, 00:26:08 ; Search time 33.2857 Seconds  
(without alignments)  
215.093 Million cell updates/sec

Title: US-09-943-084-5  
Perfect score: 116  
Sequence: 1 FTSDVSSYLEGQAQKFIWLK 23

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1276540 seqs, 311283816 residues 1276540  
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA\*  
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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
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12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*  
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16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description                        |
|------------|-------|-------------|--------|----|------------------------------------|
| 1          | 116   | 100.0       | 23     | 10 | US-09-943-084-5 Sequence 5, Appli  |
| 2          | 116   | 100.0       | 24     | 10 | US-09-943-084-4 Sequence 4, Appli  |
| 3          | 116   | 100.0       | 26     | 10 | US-09-943-084-2 Sequence 2, Appli  |
| 4          | 116   | 100.0       | 26     | 10 | US-09-943-084-3 Sequence 3, Appli  |
| 5          | 116   | 100.0       | 28     | 9  | US-09-851-738-6 Sequence 6, Appli  |
| 6          | 116   | 100.0       | 28     | 9  | US-09-805-507-6 Sequence 6, Appli  |
| 7          | 116   | 100.0       | 28     | 9  | US-09-859-804-6 Sequence 6, Appli  |
| 8          | 116   | 100.0       | 28     | 9  | US-09-982-978-6 Sequence 6, Appli  |
| 9          | 116   | 100.0       | 28     | 9  | US-09-953-021B-6 Sequence 6, Appli |
| 10         | 116   | 100.0       | 28     | 10 | US-09-997-792-8 Sequence 8, Appli  |
| 11         | 116   | 100.0       | 28     | 12 | US-09-767-981-1 Sequence 1, Appli  |
| 12         | 116   | 100.0       | 28     | 12 | US-09-772-607-2 Sequence 2, Appli  |
| 13         | 116   | 100.0       | 28     | 12 | US-09-858-880-3 Sequence 3, Appli  |
| 14         | 116   | 100.0       | 28     | 14 | US-10-169-657-6 Sequence 6, Appli  |
| 15         | 116   | 100.0       | 28     | 14 | US-10-091-258-6 Sequence 6, Appli  |

|    |     |       |    |    |                                       |
|----|-----|-------|----|----|---------------------------------------|
| 16 | 116 | 100.0 | 28 | 14 | US-10-055-259-6 Sequence 6, Appli     |
| 17 | 116 | 100.0 | 28 | 15 | US-10-378-094-7 Sequence 7, Appli     |
| 18 | 116 | 100.0 | 28 | 15 | US-10-322-839-6 Sequence 6, Appli     |
| 19 | 116 | 100.0 | 28 | 15 | US-10-215-272-23 Sequence 23, Appli   |
| 20 | 116 | 100.0 | 28 | 16 | US-10-291-226-125 Sequence 125, Appli |
| 21 | 116 | 100.0 | 29 | 9  | US-09-851-738-5 Sequence 5, Appli     |
| 22 | 116 | 100.0 | 29 | 9  | US-09-805-507-5 Sequence 5, Appli     |
| 23 | 116 | 100.0 | 29 | 9  | US-09-859-804-5 Sequence 5, Appli     |
| 24 | 116 | 100.0 | 29 | 9  | US-09-982-978-5 Sequence 5, Appli     |
| 25 | 116 | 100.0 | 29 | 9  | US-09-953-021B-5 Sequence 5, Appli    |
| 26 | 116 | 100.0 | 29 | 10 | US-09-834-229A-3 Sequence 9, Appli    |
| 27 | 116 | 100.0 | 29 | 10 | US-09-997-792-9 Sequence 7, Appli     |
| 28 | 116 | 100.0 | 29 | 14 | US-10-169-657-7 Sequence 5, Appli     |
| 29 | 116 | 100.0 | 29 | 14 | US-10-091-258-5 Sequence 5, Appli     |
| 30 | 116 | 100.0 | 29 | 14 | US-10-055-259-5 Sequence 5, Appli     |
| 31 | 116 | 100.0 | 29 | 15 | US-10-378-094-8 Sequence 8, Appli     |
| 32 | 116 | 100.0 | 29 | 15 | US-10-322-839-5 Sequence 5, Appli     |
| 33 | 116 | 100.0 | 29 | 15 | US-10-215-272-24 Sequence 24, Appli   |
| 34 | 116 | 100.0 | 30 | 9  | US-09-851-738-4 Sequence 4, Appli     |
| 35 | 116 | 100.0 | 30 | 9  | US-09-805-507-4 Sequence 4, Appli     |
| 36 | 116 | 100.0 | 30 | 9  | US-09-859-804-4 Sequence 4, Appli     |
| 37 | 116 | 100.0 | 30 | 9  | US-09-982-978-4 Sequence 4, Appli     |
| 38 | 116 | 100.0 | 30 | 9  | US-09-953-021B-4 Sequence 5, Appli    |
| 39 | 116 | 100.0 | 30 | 10 | US-09-834-229A-5 Sequence 10, Appli   |
| 40 | 116 | 100.0 | 30 | 10 | US-09-997-792-10 Sequence 15, Appli   |
| 41 | 116 | 100.0 | 30 | 10 | US-09-997-792-15 Sequence 27, Appli   |
| 42 | 116 | 100.0 | 30 | 12 | US-10-393-524A-16 Sequence 16, Appli  |
| 43 | 116 | 100.0 | 30 | 12 | US-10-393-524A-17 Sequence 17, Appli  |
| 44 | 116 | 100.0 | 30 | 12 | US-10-393-524A-17 Sequence 17, Appli  |
| 45 | 116 | 100.0 | 30 | 12 | US-10-393-524A-18 Sequence 18, Appli  |

ALIGNMENTS

RESULT 1  
US-09-943-084-5  
; Sequence 5, Application US/09943084  
; Publication No. US20030050237A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; Qi, Hong  
; Gelfand, Robert A.  
; Geoghegan, Kieran F.  
; Danley, Dennis B.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/943,084  
; FILING DATE: 31-Aug-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181,655  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sheyka, Robert F.  
; REGISTRATION NUMBER: 31,304  
; REFERENCE/DOCKET NUMBER: PC8391  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)573-1189

TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 5:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-943-084-5

Query Match 100.0%; Score 116; DB 10; Length 23;  
Best Local Similarity 100.0%; Pred. No. 2.6e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAARFIAMLVK 23  
DB 1 FTSDVSSYLEGQAARFIAMLVK 23

RESULT 2  
US-09-943-084-4  
Sequence 4, Application US/09943084  
Publication No. US2003005037A1  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghagan, Kieran F.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 4:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-943-084-4

Query Match 100.0%; Score 116; DB 10; Length 24;  
Best Local Similarity 100.0%; Pred. No. 2.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAARFIAMLVK 23  
DB 1 FTSDVSSYLEGQAARFIAMLVK 23

RESULT 3  
US-09-943-084-2  
Sequence 2, Application US/09943084  
Publication No. US2003005037A1  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghagan, Kieran F.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 2:  
ERISTICS:  
LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-943-084-2

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Best Local Similarity 100.0%; Pred. No. 3e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIWLK 23  
Db 1 FTSDVSSYLEGQAAKEFIWLK 23

RESULT 4  
US-09-943-084-3  
Sequence 3, Application US/09943084  
Publication No. US20030050237A1  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran P.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/09/943,084  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyke, Robert F.

REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 3:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-943-084-3

Query Match 100.0%; Score 116; DB 10; Length 26;  
Best Local Similarity 100.0%; Pred. No. 3e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIWLK 23  
Db 2 FTSDVSSYLEGQAAKEFIWLK 24

RESULT 5  
US-09-851-738-6  
Sequence 6, Application US/09851738  
Patent No. US20020055460A1  
GENERAL INFORMATION:  
APPLICANT: Coolidge, Thomas R.  
APPLICANT: Ehlers, Mario R.W.  
TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of  
FILE REFERENCE: P03660US1  
CURRENT APPLICATION NUMBER: US/09/851,738  
CURRENT FILING DATE: 2001-05-09  
PRIOR APPLICATION NUMBER: 09/302,596  
PRIOR FILING DATE: 1999-04-30  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: mammalian  
US-09-851-738-6

Query Match 100.0%; Score 116; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. No. 3.2e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIWLK 23  
Db 4 FTSDVSSYLEGQAAKEFIWLK 26

RESULT 6  
US-09-805-507-6

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; Sequence 6, Application US/09805507
; Patent No. US20020098195A1
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/805,507
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-805-507-6

Query Match      100.0%; Score 116; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 3.2e-11;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVK 23
Db 4 FTSDVSSYLEGQAQKEFIAMLVK 26

RESULT 7
US-09-859-804-6
; Sequence 6, Application US/09859804
; Patent No. US20020107206A1
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
; CURRENT APPLICATION NUMBER: US/09/859,804
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-859-804-6

Query Match      100.0%; Score 116; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 3.2e-11;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVK 23
Db 4 FTSDVSSYLEGQAQKEFIAMLVK 26

RESULT 8
US-09-982-978-6
; Sequence 6, Application US/09982978
; Patent No. US20020146405A1
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO
; TITLE OF INVENTION: TREATMENT OF ACUTE CORONARY SYNDROME WITH GLP-1
; FILE REFERENCE: 089187/0395
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; CURRENT APPLICATION NUMBER: US/09/982,978
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 09/859,804
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,239
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Truncated form
; OTHER INFORMATION: of GLP-1
US-09-982-978-6

Query Match      100.0%; Score 116; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 3.2e-11;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVK 23
Db 4 FTSDVSSYLEGQAQKEFIAMLVK 26

RESULT 9
US-09-953-021B-6
; Sequence 6, Application US/09953021B
; Patent No. US20020147131A1
; GENERAL INFORMATION:
; APPLICANT: COOLIDGE, THOMAS R.
; APPLICANT: EHLERS, MARIO R.W.
; TITLE OF INVENTION: Metabolic Intervention with GLP-1 to Improve the Function of Is
; TITLE OF INVENTION: Reperfused Skeletal Muscle Tissue
; FILE REFERENCE: P03660US6
; CURRENT APPLICATION NUMBER: US/09/953,021B
; CURRENT FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: 09/302,596
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION:
US-09-953-021B-6

Query Match      100.0%; Score 116; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 3.2e-11;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIAMLVK 23
Db 4 FTSDVSSYLEGQAQKEFIAMLVK 26

RESULT 10
US-09-997-792-8
; Sequence 8, Application US/09997792
; Publication No. US20030045464A1
; GENERAL INFORMATION:
; APPLICANT: Hermeling, Ronald
; APPLICANT: Hoffmann, James
; APPLICANT: Narasimhan, Chakravarthy
; TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS
; FILE REFERENCE: X-10242
; CURRENT APPLICATION NUMBER: US/09/997,792
; CURRENT FILING DATE: 2001-11-30
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 28
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; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic construct  
US-09-997-792-8

Query Match 100.0%; Score 116; DB 10; Length 28;  
Best Local Similarity 100.0%; Pred. No. 3.2e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVK 23  
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Db 6 FTSDVSSYLEGQAQAEFIAMLVK 28

RESULT 11  
US-09-767-981-1  
; Sequence 1, Application US/09767981  
; Publication No. US20010006943A1  
; GENERAL INFORMATION:  
; APPLICANT: Ejvind, Jensen  
; APPLICANT: Jorgensen, Klavs Holger  
; TITLE OF INVENTION: Protracted GLP-1 Compositions  
; FILE REFERENCE: 4343.214-US  
; CURRENT APPLICATION NUMBER: US/09/767,981  
; CURRENT FILING DATE: 2001-01-23  
; PRIOR APPLICATION NUMBER: US 08/860,103  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: Danish Application PA 1478/94  
; PRIOR FILING DATE: 1994-12-23  
; PRIOR APPLICATION NUMBER: PCT/DK99/00263  
; PRIOR FILING DATE: 1995-12-21  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-767-981-1

Query Match 100.0%; Score 116; DB 12; Length 28;  
Best Local Similarity 100.0%; Pred. No. 3.2e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVK 23  
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Db 6 FTSDVSSYLEGQAQAEFIAMLVK 28

RESULT 12  
US-09-772-607-2  
; Sequence 2, Application US/09772607  
; Publication No. US20010016643A1  
; GENERAL INFORMATION:  
; APPLICANT: Jonassen, Ib  
; APPLICANT: Havelund, Svend  
; APPLICANT: Hansen, Per Hertz  
; APPLICANT: Kurtzhals, Peter  
; APPLICANT: Halstrom, John B.  
; TITLE OF INVENTION: Peptide Derivatives  
; FILE REFERENCE: 4409.214-US  
; CURRENT APPLICATION NUMBER: US/09/772,607  
; CURRENT FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 09/068,822  
; PRIOR FILING DATE: 1998-05-14  
; PRIOR APPLICATION NUMBER: PCT/DK96/00106  
; PRIOR FILING DATE: 1996-03-18  
; PRIOR APPLICATION NUMBER: DK 275/95  
; PRIOR FILING DATE: 1995-03-18  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 28

; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-772-607-2

Query Match 100.0%; Score 116; DB 12; Length 28;  
Best Local Similarity 100.0%; Pred. No. 3.2e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVK 23  
| | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 6 FTSDVSSYLEGQAQAEFIAMLVK 28

RESULT 13  
US-09-858-880-3  
; Sequence 3, Application US/09858880  
; Publication No. US20020061838A1  
; GENERAL INFORMATION:  
; APPLICANT: Holmquist, Barton  
; APPLICANT: Dormady, Daniel  
; TITLE OF INVENTION: Peptide Pharmaceutical Formulations  
; FILE REFERENCE: 1627.020US1  
; CURRENT APPLICATION NUMBER: US/09/858,880  
; CURRENT FILING DATE: 2001-05-17  
; PRIOR APPLICATION NUMBER: US 60/205,377  
; PRIOR FILING DATE: 2000-05-17  
; PRIOR APPLICATION NUMBER: US 60/205,262  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: A GLP-1 derivative  
US-09-858-880-3

Query Match 100.0%; Score 116; DB 12; Length 28;  
Best Local Similarity 100.0%; Pred. No. 3.2e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAEFIAMLVK 23  
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Db 6 FTSDVSSYLEGQAQAEFIAMLVK 28

RESULT 14  
US-10-169-657-6  
; Sequence 6, Application US/10169657  
; Publication No. US20030060412A1  
; GENERAL INFORMATION:  
; APPLICANT: Eli Lilly and Company  
; TITLE OF INVENTION: Process for Solubilizing Glucagon-Like Peptide 1 Compounds  
; FILE REFERENCE: X-11708  
; CURRENT APPLICATION NUMBER: US/10/169,657  
; CURRENT FILING DATE: 2002-06-28  
; PRIOR APPLICATION NUMBER: US 60/178,438  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/224,058  
; PRIOR FILING DATE: 2000-08-09  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic construct  
; NAME/KEY: VARIANT

LOCATION: (1)...(28)  
OTHER INFORMATION: The last 3 amino acids of GIP-1 (7-37) are deleted  
US-10-169-657-6

Query Match 100.0%; Score 116; DB 14; Length 28;  
Best Local Similarity 100.0%; Pred. No. 3.2e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIWLK 23  
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Db 6 FTSDVSSYLEGQAAKEFIWLK 28

RESULT 15  
US-10-091-258-6  
Sequence 6, Application US/10091258  
Publication No. US20030073626A1  
GENERAL INFORMATION:  
APPLICANT: Hathaway, David R  
APPLICANT: Coolidge, Thomas R  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL VASCULAR DISEASE  
FILE REFERENCE: RGN-2  
CURRENT APPLICATION NUMBER: US/10/091,258  
CURRENT FILING DATE: 2002-03-05  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PRT  
ORGANISM: mammalian  
US-10-091-258-6

Query Match 100.0%; Score 116; DB 14; Length 28;  
Best Local Similarity 100.0%; Pred. No. 3.2e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFIWLK 23  
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Db 4 FTSDVSSYLEGQAAKEFIWLK 26

Search completed: July 3, 2004, 00:51:50  
Job time : 33.2857 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:22:02 ; Search time 147.429 Seconds  
(without alignments)  
152.272 Million cell updates/sec

Title: US-09-943-084-5  
Perfect score: 116  
Sequence: 1 FTSDVSSYLEGQAAKEFIWLVK 23

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 6019581 seqs, 976053577 residues

Total number of hits satisfying chosen parameters: 6019581

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents AA Main: \*  
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33: /cgm2\_6/ptodata/2/paa/US10 COMB.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Match Length | ID | Description |
|------------|-------|--------------|----|-------------|
|------------|-------|--------------|----|-------------|

|    |     |       |    |    |                    |                     |
|----|-----|-------|----|----|--------------------|---------------------|
| 1  | 116 | 100.0 | 23 | 24 | US-09-943-084-5    | Sequence 5, Appli   |
| 2  | 116 | 100.0 | 24 | 24 | US-09-943-084-4    | Sequence 4, Appli   |
| 3  | 116 | 100.0 | 26 | 24 | US-09-943-084-2    | Sequence 2, Appli   |
| 4  | 116 | 100.0 | 26 | 24 | US-09-943-084-3    | Sequence 3, Appli   |
| 5  | 116 | 100.0 | 28 | 1  | PCT-US02-13088-6   | Sequence 6, Appli   |
| 6  | 116 | 100.0 | 28 | 1  | PCT-US02-25227-23  | Sequence 23, Appli  |
| 7  | 116 | 100.0 | 28 | 1  | PCT-US03-26778-7   | Sequence 7, Appli   |
| 8  | 116 | 100.0 | 28 | 1  | PCT-US03-26818-7   | Sequence 7, Appli   |
| 9  | 116 | 100.0 | 28 | 3  | US-07-893-073-5    | Sequence 5, Appli   |
| 10 | 116 | 100.0 | 28 | 4  | US-08-044-133-5    | Sequence 5, Appli   |
| 11 | 116 | 100.0 | 28 | 7  | US-08-350-530A-21  | Sequence 21, Appli  |
| 12 | 116 | 100.0 | 28 | 7  | US-08-356-231-5    | Sequence 5, Appli   |
| 13 | 116 | 100.0 | 28 | 9  | US-08-520-485-4    | Sequence 4, Appli   |
| 14 | 116 | 100.0 | 28 | 12 | US-08-860-103-1    | Sequence 1, Appli   |
| 15 | 116 | 100.0 | 28 | 12 | US-08-860-103A-1   | Sequence 1, Appli   |
| 16 | 116 | 100.0 | 28 | 14 | US-09-088-822-2    | Sequence 2, Appli   |
| 17 | 116 | 100.0 | 28 | 18 | US-09-400-802A-2   | Sequence 2, Appli   |
| 18 | 116 | 100.0 | 28 | 19 | US-09-508-083-1    | Sequence 1, Appli   |
| 19 | 116 | 100.0 | 28 | 20 | US-09-646-433-6    | Sequence 6, Appli   |
| 20 | 116 | 100.0 | 28 | 21 | US-09-719-410-6    | Sequence 4, Appli   |
| 21 | 116 | 100.0 | 28 | 22 | US-09-762-538-4    | Sequence 4, Appli   |
| 22 | 116 | 100.0 | 28 | 22 | US-09-767-981-1    | Sequence 1, Appli   |
| 23 | 116 | 100.0 | 28 | 22 | US-09-772-607-2    | Sequence 2, Appli   |
| 24 | 116 | 100.0 | 28 | 22 | US-09-772-607A-2   | Sequence 2, Appli   |
| 25 | 116 | 100.0 | 28 | 22 | US-09-772-607C-2   | Sequence 2, Appli   |
| 26 | 116 | 100.0 | 28 | 23 | US-09-851-738-6    | Sequence 6, Appli   |
| 27 | 116 | 100.0 | 28 | 23 | US-09-858-880-3    | Sequence 3, Appli   |
| 28 | 116 | 100.0 | 28 | 23 | US-09-859-804-6    | Sequence 6, Appli   |
| 29 | 116 | 100.0 | 28 | 25 | US-09-953-021-6    | Sequence 6, Appli   |
| 30 | 116 | 100.0 | 28 | 25 | US-09-953-021B-6   | Sequence 6, Appli   |
| 31 | 116 | 100.0 | 28 | 25 | US-09-982-978-6    | Sequence 6, Appli   |
| 32 | 116 | 100.0 | 28 | 26 | US-10-055-259-6    | Sequence 6, Appli   |
| 33 | 116 | 100.0 | 28 | 26 | US-10-091-258-6    | Sequence 6, Appli   |
| 34 | 116 | 100.0 | 28 | 27 | US-10-169-657-6    | Sequence 6, Appli   |
| 35 | 116 | 100.0 | 28 | 28 | US-10-215-372-23   | Sequence 23, Appli  |
| 36 | 116 | 100.0 | 28 | 28 | US-10-291-226-125  | Sequence 125, Appli |
| 37 | 116 | 100.0 | 28 | 29 | US-10-322-839-6    | Sequence 6, Appli   |
| 38 | 116 | 100.0 | 28 | 29 | US-10-378-094-7    | Sequence 7, Appli   |
| 39 | 116 | 100.0 | 28 | 33 | US-60-160-203-4050 | Sequence 4050, Ap   |
| 40 | 116 | 100.0 | 28 | 33 | US-60-460-829-7    | Sequence 7, Appli   |
| 41 | 116 | 100.0 | 29 | 1  | PCT-US02-13088-5   | Sequence 5, Appli   |
| 42 | 116 | 100.0 | 29 | 1  | PCT-US02-25227-24  | Sequence 24, Appli  |
| 43 | 116 | 100.0 | 29 | 1  | PCT-US03-26778-8   | Sequence 8, Appli   |
| 44 | 116 | 100.0 | 29 | 1  | PCT-US03-26818-8   | Sequence 8, Appli   |
| 45 | 116 | 100.0 | 29 | 3  | US-07-893-073-4    | Sequence 4, Appli   |

ALIGNMENTS

RESULT 1  
US-09-943-084-5  
; Sequence 5, Application US/09943084  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesock  
; Qi, Hong  
; Gelfand, Robert A.  
; Geoghegan, Kieran F.  
; Danley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/09/943,084  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 5:  
:  
:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-943-084-5

Query Match 100.0%; Score 116; DB 24; Length 23;  
Best Local Similarity 100.0%; Pred. No. 6,9e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFLAWLVK 23  
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DB 1 FTSDVSSYLEGQAQKEFLAWLVK 23

RESULT 2  
US-09-943-084-4  
Sequence 4, Application US/09943084  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/09/943,084  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 4:  
:  
:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-943-084-4

Query Match 100.0%; Score 116; DB 24; Length 24;  
Best Local Similarity 100.0%; Pred. No. 7,3e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFLAWLVK 23  
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DB 1 FTSDVSSYLEGQAQKEFLAWLVK 23

RESULT 3  
US-09-943-084-2  
Sequence 2, Application US/09943084  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS



SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/09/943,084  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A

## INFORMATION FOR SEQ ID NO: 2:

EXISTICS:  
LENGTH: 31 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-943-084-2

Query Match 100.0%; Score 116; DB 24; Length 26;  
Best Local Similarity 100.0%; Pred. No. 8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIWLK 23  
DB 1 FTSDVSSYLEGQAQKEFIWLK 23

RESULT 4  
US-09-943-084-3  
Sequence 3, Application US/09943084  
GENERAL INFORMATION:  
APPLICANT: Kim Yeseok  
Lambert, William J.  
Qi, Hong  
Gelfand, Robert A.  
Geoghegan, Kieran F.  
Danley, Dennis E.

TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A

## INFORMATION FOR SEQ ID NO: 3:

LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
UNITS: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-943-084-3

Query Match 100.0%; Score 116; DB 24; Length 26;  
Best Local Similarity 100.0%; Pred. No. 8e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIWLK 23  
DB 2 FTSDVSSYLEGQAQKEFIWLK 24

RESULT 5  
PCT-US02-13088-6  
Sequence 6, Application PC/TUS0213088  
GENERAL INFORMATION:  
APPLICANT: Restoragen, Inc.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH  
TITLE OF INVENTION: RESISTANCE  
FILE REFERENCE: RGN-3  
CURRENT APPLICATION NUMBER: PCT/US02/13088  
CURRENT FILING DATE: 2002-04-24  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 6  
LENGTH: 28  
TYPE: PPT  
ORGANISM: mammalian  
PCT-US02-13088-6

Query Match 100.0%; Score 116; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
DB 4 FTSDVSSYLEGQAQKEFIAMLVK 26

RESULT 6  
PCT-US02-25227-23  
; Sequence 23, Application PC/TUS0225227  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel C.  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other  
; TITLE OF INVENTION: Blood Sugar Disorders  
; FILE REFERENCE: 2478.2019002 PCT  
; CURRENT APPLICATION NUMBER: PCT/US02/25227  
; CURRENT FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; PRIOR FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 23  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)  
PCT-US02-25227-23

Query Match 100.0%; Score 116; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28

RESULT 7  
PCT-US03-26778-7  
; Sequence 7, Application PC/TUS0326778  
; GENERAL INFORMATION:  
; APPLICANT: Prior, Christopher P.  
; APPLICANT: Sadeghi, Homayoun  
; APPLICANT: Turner, Andrew J.  
; TITLE OF INVENTION: ORAL DELIVERY OF MODIFIED TRANSFERRIN FUSION PROTEINS  
; FILE REFERENCE: 54710-5006-WO  
; CURRENT APPLICATION NUMBER: PCT/US03/26778  
; CURRENT FILING DATE: 2003-08-28  
; PRIOR APPLICATION NUMBER: US 60/406,977  
; PRIOR FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: US 10/378,094  
; PRIOR FILING DATE: 2003-03-04  
; PRIOR APPLICATION NUMBER: US 60/460,829  
; PRIOR FILING DATE: 2003-04-08  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 7  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: GLP-1 molecule having insulinotropic activity  
PCT-US03-26778-7

Query Match 100.0%; Score 116; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23

DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28

RESULT 8  
PCT-US03-26818-7  
; Sequence 7, Application PC/TUS0326818  
; GENERAL INFORMATION:  
; APPLICANT: Prior, Christopher P.  
; APPLICANT: Lai, Char-Huei  
; APPLICANT: Sadeghi, Homayoun  
; APPLICANT: Turner, Andrew J.  
; TITLE OF INVENTION: MODIFIED TRANSFERRIN FUSION PROTEINS  
; FILE REFERENCE: 54710-5001-01-WO  
; CURRENT APPLICATION NUMBER: PCT/US03/26818  
; CURRENT FILING DATE: 2003-08-28  
; PRIOR APPLICATION NUMBER: US 60/406,977  
; PRIOR FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: US 10/378,094  
; PRIOR FILING DATE: 2003-03-04  
; NUMBER OF SEQ ID NOS: 90  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 7  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: GLP-1 molecule having insulinotropic activity  
PCT-US03-26818-7

Query Match 100.0%; Score 116; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28

RESULT 9  
US-07-899-073-5  
; Sequence 5, Application US/07899073  
; GENERAL INFORMATION:  
; APPLICANT: Andrews, Glenn C.  
; APPLICANT: Daumy, Gaston O.  
; APPLICANT: Francoeur, Michael L.  
; APPLICANT: Larson, Eric R.  
; TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE AND INSULINOTROPIN  
; TITLE OF INVENTION: DERIVATIVES  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Gregg C. Benson, Pfizer Inc  
; STREET: Eastern Point Road  
; CITY: Groton  
; STATE: CT  
; COUNTRY: USA  
; ZIP: 06340  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA: US/07/899,073  
; APPLICATION NUMBER: 19920615  
; FILING DATE: 19920615  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Gregg C.  
; REGISTRATION NUMBER: 30,997  
; REFERENCE/DOCKET NUMBER: PC8156GCB  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (203) 441-4901  
; TELEFAX: (203) 441-5221  
; INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-07-999-073-5

Query Match 100.0%; Score 116; DB 3; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFTIAWLK 23  
Db 6 FTSDVSSYLEGQAAKEFTIAWLK 28

## RESULT 10

US-08-044-133-5  
Sequence 5, Application US/08044133  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
APPLICANT: Lambert, William J.  
APPLICANT: Qi, Hong  
APPLICANT: Gelfand, Robert A.  
APPLICANT: Geoghegan, Kieran F.  
APPLICANT: Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESS: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/044,133  
FILING DATE: 07-APR-1993  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Shevka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: -N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A

MAP POSITION: N/A  
US-08-044-133-5

Query Match 100.0%; Score 116; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFTIAWLK 23  
Db 6 FTSDVSSYLEGQAAKEFTIAWLK 28

## RESULT 11

US-08-350-530A-21  
Sequence 21, Application US/08350530A  
GENERAL INFORMATION:  
APPLICANT: Patridge, Bruce  
APPLICANT: Stout, Jay  
APPLICANT: Henriksen, Dennis  
APPLICANT: Manning, Shane  
APPLICANT: De La Motta, Rebecca  
APPLICANT: Holmquist, Barton  
APPLICANT: Wagner, Fred  
TITLE OF INVENTION: PRODUCTION OF PEPTIDE USING RECOMBINANT  
TITLE OF INVENTION: FUSION PROTEIN CONSTRUCTS  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 Norwest Center, 90 S. 7th Street  
CITY: Minneapolis  
STATE: MN  
COUNTRY: U.S.A.  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/350,530A  
FILING DATE: 07-DEC-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Carter, Charles G  
REGISTRATION NUMBER: 35,093  
REFERENCE/DOCKET NUMBER: 8648.45US01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612/332-5300  
TELEFAX: 612/332-9081  
TELEX:  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
US-08-350-530A-21

Query Match 100.0%; Score 116; DB 7; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAAKEFTIAWLK 23  
Db 6 FTSDVSSYLEGQAAKEFTIAWLK 28

RESULT 12  
US-08-356-231-5  
Sequence 5, Application US/08356231  
GENERAL INFORMATION:  
APPLICANT: Andrews, Glenn C.  
APPLICANT: Daumy, Gaston O.  
APPLICANT: Francoeur, Michael L.  
APPLICANT: Larson, Eric R.  
APPLICANT: Pfizer Inc. (Non-US)  
TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE AND INSULINOTROPIN  
DERIVATIVES  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gregg C. Benson, Pfizer Inc  
STREET: Eastern Point Road  
CITY: Groton  
STATE: CT  
COUNTRY: USA  
ZIP: 06340  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/356,231  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/899,073  
FILING DATE: 15-JUN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Gregg C.  
REGISTRATION NUMBER: 30,997  
REFERENCE/DOCKET NUMBER: PC8156AGCB  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (203) 441-5221  
TELEFAX: (203) 441-5221  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-356-231-5  
Query Match 100.0%; Score 116; DB 7; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28  
RESULT 13  
US-08-520-485-4  
Sequence 4, Application US/08520485  
GENERAL INFORMATION:  
APPLICANT: Wagner, Fred W.  
APPLICANT: Stout, Jay  
APPLICANT: Henriksen, Dennis  
APPLICANT: Partridge, Bruce  
APPLICANT: Manning, Shane  
TITLE OF INVENTION: Enzymatic Method for Modification of  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 Northwest Center  
CITY: Minneapolis  
STATE: MN

COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/520,485  
FILING DATE: 29-AUG-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Carter, Charles G.  
REGISTRATION NUMBER: 35,093  
REFERENCE/DOCKET NUMBER: 8648.32-USD1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
IMMEDIATE SOURCE:  
CLONE: GLP1 (7-34)  
US-08-520-485-4  
Query Match 100.0%; Score 116; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28  
RESULT 14  
US-08-860-103-1  
Sequence 1, Application US/08860103  
GENERAL INFORMATION:  
APPLICANT: Jensen, Bjvind  
APPLICANT: Jorgensen, Klavs  
TITLE OF INVENTION: Protracted GLP-1  
TITLE OF INVENTION: Compositions  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Novo Nordisk of North America, Inc.  
STREET: 405 Lexington Avenue - 64ht Fl.  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10017  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/860,103  
FILING DATE: 17-JUN-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/DK95/00516  
FILING DATE: 21-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4343.204-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-878-9652  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-860-103-1

Query Match 100.0%; Score 116; DB 12; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
|||||  
DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28  
|||||

## RESULT 15

US-08-860-103A-1  
Sequence 1. Application US/08860103A  
GENERAL INFORMATION:  
APPLICANT: Jensen, Bjvind  
TITLE OF INVENTION: Protracted GLP-1  
TITLE OF INVENTION: Compositions  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Novo Nordisk of North America, Inc.  
STREET: 405 Lexington Avenue - 54ht Fl.  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10017  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/860,103A  
FILING DATE: 17-JUN-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/DK95/00516  
FILING DATE: 21-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Rozek, Carol E.  
REGISTRATION NUMBER: 36,993  
REFERENCE/DOCKET NUMBER: 4343.204-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-878-9652  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-860-103A-1

Query Match 100.0%; Score 116; DB 12; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
|||||  
DB 6 FTSDVSSYLEGQAQKEFIAMLVK 28  
|||||

Search completed: July 3, 2004, 00:46:14  
Job time: 147.429 secs

GenCore version 5.1.6  
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OX: protein - protein search, using sw model

Run on: July 3, 2004, 00:25:27 ; Search time 10.8571 Seconds  
(without alignments)  
105.442 Million cell updates/sec

Title: US-09-943-084-5  
Perfect score: 116  
Sequence: 1 FTSDVSSYLEGQAQKEFIWLK 23

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 327902 seqs, 49773865 residues

Total number of hits satisfying chosen parameters: 327902

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents AA New:\*

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2: /cgm2\_6/ptodata/2/paa/US06 NEW COMB.pdp.\*  
3: /cgm2\_6/ptodata/2/paa/US07 NEW COMB.pdp.\*  
4: /cgm2\_6/ptodata/2/paa/US08 NEW COMB.pdp.\*  
5: /cgm2\_6/ptodata/2/paa/US09 NEW COMB.pdp.\*  
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7: /cgm2\_6/ptodata/2/paa/US60 NEW COMB.pdp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description        |
|------------|-------|-------------|--------|-------|--------------------|
| 1          | 116   | 100.0       | 28     | 6     | US-10-291-226A-125 |
| 2          | 116   | 100.0       | 28     | 6     | US-10-716-326-23   |
| 3          | 116   | 100.0       | 28     | 6     | US-10-715-976-23   |
| 4          | 116   | 100.0       | 28     | 7     | US-60-549-567-7    |
| 5          | 116   | 100.0       | 29     | 6     | US-10-716-326-24   |
| 6          | 116   | 100.0       | 29     | 6     | US-10-715-976-24   |
| 7          | 116   | 100.0       | 29     | 7     | US-60-549-567-8    |
| 8          | 116   | 100.0       | 30     | 1     | PCT-US04-04421-1   |
| 9          | 116   | 100.0       | 30     | 1     | PCT-US04-04421-2   |
| 10         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-5   |
| 11         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-6   |
| 12         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-7   |
| 13         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-55  |
| 14         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-56  |
| 15         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-57  |
| 16         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-58  |
| 17         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-111 |
| 18         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-112 |
| 19         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-154 |
| 20         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-155 |
| 21         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-156 |
| 22         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-234 |
| 23         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-235 |
| 24         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-236 |
| 25         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-237 |
| 26         | 116   | 100.0       | 30     | 1     | PCT-US04-04421-344 |

#### ALIGNMENTS

##### RESULT 1

US-10-291-226A-125  
; Sequence 125, Application US/10291226A  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226A  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 28  
; TYPE: PPT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: GLP-1(9-36) (Human)  
US-10-291-226A-125

Query Match 100.0%; Score 116; DB 6; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.9e-10;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTSDVSSYLEGQAQKEFIWLK 23  
|||||  
Db 4 FTSDVSSYLEGQAQKEFIWLK 26

##### RESULT 2

US-10-716-326-23  
; Sequence 23, Application US/10716326  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders  
; FILE REFERENCE: 5062CIP  
; CURRENT APPLICATION NUMBER: US/10/716,326  
; CURRENT FILING DATE: 2003-11-17  
; PRIOR APPLICATION NUMBER: US 10/215,272  
; PRIOR FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; PRIOR FILING DATE: 2001-08-08

Sequence 353, App  
Sequence 363, App  
Sequence 385, App  
Sequence 386, App  
Sequence 389, App  
Sequence 390, App  
Sequence 391, App  
Sequence 439, App  
Sequence 440, App  
Sequence 441, App  
Sequence 442, App  
Sequence 495, App  
Sequence 496, App  
Sequence 497, App  
Sequence 538, App  
Sequence 539, App  
Sequence 540, App  
Sequence 618, App  
Sequence 619, App

```
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 23
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)
US-10-716-326-23

Query Match      100.0%; Score 116; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.9e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAQAKFIAMLVK 28

RESULT 3
US-10-715-976-23
; Sequence 23, Application US/10715976
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Wadsworth, Samuel
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Parsons, Geoffrey
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
; FILE REFERENCE: 5121
; CURRENT APPLICATION NUMBER: US/10/715,976
; PRIOR FILING DATE: 2003-11-17
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 23
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)
US-10-715-976-23

Query Match      100.0%; Score 116; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.9e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAQAKFIAMLVK 28

RESULT 4
US-60-549-567-7
; Sequence 7, Application US/60549567
; GENERAL INFORMATION:
; APPLICANT: SADSGLI, Homayoun
; APPLICANT: TURNER, Andrew J.
; APPLICANT: Ballance, David J.
; TITLE OF INVENTION: MODIFIED TRANSFERRIN FUSION PROTEINS
; FILE REFERENCE: 54710-5011-PR
; CURRENT APPLICATION NUMBER: US/60/549,567
; CURRENT FILING DATE: 2004-03-04
; PRIOR FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: US 60/315,745
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 60/334,059
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: US 10/231,494
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: US 60/406,977
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: PCT/US03/26818
; PRIOR FILING DATE: 2003-08-28
; NUMBER OF SEQ ID NOS: 128

; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 23
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)
US-10-716-326-23

Query Match      100.0%; Score 116; DB 7; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.9e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAQAKFIAMLVK 28

RESULT 5
US-10-716-326-24
; Sequence 24, Application US/10716326
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Wadsworth, Samuel
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Parsons, Geoffrey
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
; FILE REFERENCE: 5062CIP
; CURRENT APPLICATION NUMBER: US/10/716,326
; CURRENT FILING DATE: 2003-11-17
; PRIOR FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: US 60/310,982
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 24
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-35)
US-10-716-326-24

Query Match      100.0%; Score 116; DB 6; Length 29;
Best Local Similarity 100.0%; Pred. No. 2e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAQAKFIAMLVK 28

RESULT 6
US-10-715-976-24
; Sequence 24, Application US/10715976
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Wadsworth, Samuel
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Parsons, Geoffrey
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
; FILE REFERENCE: 5121
; CURRENT APPLICATION NUMBER: US/10/715,976
; CURRENT FILING DATE: 2003-11-17
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 24
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
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;
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-35)
US-10-715-976-24

Query Match      100.0%; Score 116; DB 6; Length 29;
Best Local Similarity 100.0%; Pred. No. 2e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAAKEFIAMLVK 28

RESULT 7
US-60-549-567-8
; Sequence 8, Application US/60549567
; GENERAL INFORMATION:
; APPLICANT: SADEGHI, Homayoun
; APPLICANT: TURNER, Andrew J.
; APPLICANT: Ballance, David J.
; TITLE OF INVENTION: MODIFIED TRANSFERRIN FUSION PROTEINS
; FILE REFERENCE: 54710-5011-PR
; CURRENT APPLICATION NUMBER: US/60/549,567
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: US 60/315,745
; PRIOR FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: US 60/334,059
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 10/231,494
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: US 60/406,977
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: PCT/US03/26818
; PRIOR FILING DATE: 2003-08-28
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: GLP-1 molecule having insulinotropic activity
US-60-549-567-8

Query Match      100.0%; Score 116; DB 7; Length 29;
Best Local Similarity 100.0%; Pred. No. 2e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAAKEFIAMLVK 28

RESULT 8
PCT-US04-04421-1
; Sequence 1, Application PC/TUS0404421
; GENERAL INFORMATION:
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS
; APPLICANT: SCIENTIFIQUES, S.A.S
; APPLICANT: DONG, ZHENG ZIN
; TITLE OF INVENTION: ANALOGUES OF GLP-1
; FILE REFERENCE: 129P-PCT2
; CURRENT APPLICATION NUMBER: PCT/US04/04421
; CURRENT FILING DATE: 2004-02-17
; NUMBER OF SEQ ID NOS: 781
; PRIOR APPLICATION NUMBER: 60/449,203
; PRIOR FILING DATE: 2003-02-19
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1
```

```
;
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)..(1)
; OTHER INFORMATION: N-Me-His
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (29)..(29)
; OTHER INFORMATION: Alb
; FEATURE:
; OTHER INFORMATION: c-term amidation
PCT-US04-04421-1

Query Match      100.0%; Score 116; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 2e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAAKEFIAMLVK 28

RESULT 9
PCT-US04-04421-2
; Sequence 2, Application PC/TUS0404421
; GENERAL INFORMATION:
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS
; APPLICANT: SCIENTIFIQUES, S.A.S
; APPLICANT: DONG, ZHENG ZIN
; TITLE OF INVENTION: ANALOGUES OF GLP-1
; FILE REFERENCE: 129P-PCT2
; CURRENT APPLICATION NUMBER: PCT/US04/04421
; CURRENT FILING DATE: 2004-02-17
; NUMBER OF SEQ ID NOS: 781
; PRIOR APPLICATION NUMBER: 60/449,203
; PRIOR FILING DATE: 2003-02-19
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1
; OTHER INFORMATION: peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)..(1)
; OTHER INFORMATION: N-Me-His
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (29)..(29)
; OTHER INFORMATION: Beta-Ala
; FEATURE:
; OTHER INFORMATION: c-term amidation
PCT-US04-04421-2

Query Match      100.0%; Score 116; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 2e-10;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAAKEFIAMLVK 23
   |||||
Db 6 FTSDVSSYLEGQAAKEFIAMLVK 28

RESULT 10
PCT-US04-04421-5
; Sequence 5, Application PC/TUS0404421
; GENERAL INFORMATION:
; APPLICANT: SOCIETE DE RECHERCHES ET D'APPLICATIONS
; APPLICANT: SCIENTIFIQUES, S.A.S
; APPLICANT: DONG, ZHENG ZIN
```



1 TITLE OF INVENTION: ANALOGUES OF GLP-1  
2 FILE REFERENCE: 129P-PCT2  
3 CURRENT APPLICATION NUMBER: PCT/US04/04421  
4 CURRENT FILING DATE: 2004-02-17  
5 NUMBER OF SEQ ID NOS: 781  
6 PRIOR APPLICATION NUMBER: 60/449,203  
7 PRIOR FILING DATE: 2003-02-19  
8 SOFTWARE: PatentIn version 3.2  
9 SEQ ID NO 5  
10 LENGTH: 30  
11 TYPE: PRT  
12 ORGANISM: Artificial Sequence  
13 FEATURE:  
14 OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1  
15 OTHER INFORMATION: peptide  
16 NAME/KEY: MOD\_RES  
17 LOCATION: (29)..(29)  
18 OTHER INFORMATION: A6c  
19 FEATURE:  
20 OTHER INFORMATION: c-term amidation  
21 PCT-US04-04421-5

Query Match 100.0%; Score 116; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2e-10;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQAKEFIAMLVK 28

RESULT 11  
PCT-US04-04421-6  
1 Sequence 6, Application PC/TUS0404421  
2 GENERAL INFORMATION:  
3 APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
4 APPLICANT: SCIENTIFIQUES, S.A.S  
5 TITLE OF INVENTION: ANALOGUES OF GLP-1  
6 CURRENT APPLICATION NUMBER: PCT/US04/04421  
7 CURRENT FILING DATE: 2004-02-17  
8 NUMBER OF SEQ ID NOS: 781  
9 PRIOR APPLICATION NUMBER: 60/449,203  
10 PRIOR FILING DATE: 2003-02-19  
11 SOFTWARE: PatentIn version 3.2  
12 SEQ ID NO 6  
13 LENGTH: 30  
14 TYPE: PRT  
15 ORGANISM: Artificial Sequence  
16 FEATURE:  
17 OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1  
18 OTHER INFORMATION: peptide  
19 NAME/KEY: MOD\_RES  
20 LOCATION: (29)..(29)  
21 OTHER INFORMATION: A5c  
22 FEATURE:  
23 OTHER INFORMATION: c-term amidation  
24 PCT-US04-04421-6

Query Match 100.0%; Score 116; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2e-10;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQAKEFIAMLVK 28

RESULT 12  
PCT-US04-04421-7

1 Sequence 7, Application PC/TUS0404421  
2 GENERAL INFORMATION:  
3 APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
4 APPLICANT: SCIENTIFIQUES, S.A.S  
5 APPLICANT: DONG, ZHENG ZIN  
6 TITLE OF INVENTION: ANALOGUES OF GLP-1  
7 FILE REFERENCE: 129P-PCT2  
8 CURRENT APPLICATION NUMBER: PCT/US04/04421  
9 CURRENT FILING DATE: 2004-02-17  
10 NUMBER OF SEQ ID NOS: 781  
11 PRIOR APPLICATION NUMBER: 60/449,203  
12 PRIOR FILING DATE: 2003-02-19  
13 SOFTWARE: PatentIn version 3.2  
14 SEQ ID NO 7  
15 LENGTH: 30  
16 TYPE: PRT  
17 ORGANISM: Artificial Sequence  
18 FEATURE:  
19 OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1  
20 OTHER INFORMATION: peptide  
21 NAME/KEY: MOD\_RES  
22 LOCATION: (29)..(29)  
23 OTHER INFORMATION: D-Ala  
24 FEATURE:  
25 OTHER INFORMATION: c-term amidation  
26 PCT-US04-04421-7

Query Match 100.0%; Score 116; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2e-10;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQAKEFIAMLVK 23  
DB 6 FTSDVSSYLEGQAQAKEFIAMLVK 28

RESULT 13  
PCT-US04-04421-55  
1 Sequence 55, Application PC/TUS0404421  
2 GENERAL INFORMATION:  
3 APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
4 APPLICANT: SCIENTIFIQUES, S.A.S  
5 TITLE OF INVENTION: ANALOGUES OF GLP-1  
6 FILE REFERENCE: 129P-PCT2  
7 CURRENT APPLICATION NUMBER: PCT/US04/04421  
8 CURRENT FILING DATE: 2004-02-17  
9 NUMBER OF SEQ ID NOS: 781  
10 PRIOR APPLICATION NUMBER: 60/449,203  
11 PRIOR FILING DATE: 2003-02-19  
12 SOFTWARE: PatentIn version 3.2  
13 SEQ ID NO 55  
14 LENGTH: 30  
15 TYPE: PRT  
16 ORGANISM: Artificial Sequence  
17 FEATURE:  
18 OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1  
19 OTHER INFORMATION: peptide  
20 NAME/KEY: MOD\_RES  
21 LOCATION: (29)..(29)  
22 OTHER INFORMATION: Aib  
23 FEATURE:  
24 NAME/KEY: MOD\_RES  
25 LOCATION: (30)..(30)  
26 OTHER INFORMATION: D-Arg  
27 FEATURE:  
28 OTHER INFORMATION: c-term amidation  
29 PCT-US04-04421-55

Query Match 100.0%; Score 116; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2e-10;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
Db 6 FTSDVSSYLEGQAQKEFIAMLVK 28

## RESULT 14

PCT-US04-04421-56  
; Sequence 56, Application PC/TUS0404421  
; GENERAL INFORMATION:  
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
; APPLICANT: SCIENTIFIQUES, S.A.S  
; APPLICANT: DONG, ZHENG ZIN  
; TITLE OF INVENTION: ANALOGUES OF GLP-1  
; FILE REFERENCE: 129P-PCT2  
; CURRENT APPLICATION NUMBER: PCT/US04/04421  
; CURRENT FILING DATE: 2004-02-17  
; NUMBER OF SEQ ID NOS: 781  
; PRIOR APPLICATION NUMBER: 60/449,203  
; PRIOR FILING DATE: 2003-02-19  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 56  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1  
; NAME/KEY: MOD RES  
; LOCATION: (29)..(29)  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (30)..(30)  
; OTHER INFORMATION: D-Lys  
; FEATURE:  
; OTHER INFORMATION: c-term amidation  
PCT-US04-04421-56

Query Match 100.0%; Score 116; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2e-10;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
Db 6 FTSDVSSYLEGQAQKEFIAMLVK 28

## RESULT 15

PCT-US04-04421-57  
; Sequence 57, Application PC/TUS0404421  
; GENERAL INFORMATION:  
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
; APPLICANT: SCIENTIFIQUES, S.A.S  
; APPLICANT: DONG, ZHENG ZIN  
; TITLE OF INVENTION: ANALOGUES OF GLP-1  
; FILE REFERENCE: 129P-PCT2  
; CURRENT APPLICATION NUMBER: PCT/US04/04421  
; CURRENT FILING DATE: 2004-02-17  
; NUMBER OF SEQ ID NOS: 781  
; PRIOR APPLICATION NUMBER: 60/449,203  
; PRIOR FILING DATE: 2003-02-19  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 57  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic modified hGLP-1  
; NAME/KEY: MOD RES  
; LOCATION: (29)..(29)  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (30)..(30)  
; OTHER INFORMATION: D-Lys  
; FEATURE:  
; OTHER INFORMATION: c-term amidation  
PCT-US04-04421-57

; NAME/KEY: MOD RES  
; LOCATION: (29)..(29)  
; OTHER INFORMATION: Beta-Ala  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (30)..(30)  
; OTHER INFORMATION: D-Arg  
; FEATURE:  
; OTHER INFORMATION: c-term amidation  
PCT-US04-04421-57

Query Match 100.0%; Score 116; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2e-10;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTSDVSSYLEGQAQKEFIAMLVK 23  
Db 6 FTSDVSSYLEGQAQKEFIAMLVK 28

Search completed: July 3, 2004, 00:47:43  
Job time : 10.8571 secs

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# OM protein - protein search, using sw model

Run on: July 3, 2004, 00:21:27 ; Search time 13.9193 Seconds  
(without alignments)  
100.142 Million cell updates/sec

Title: US-09-943-084-7

Perfect score: 139

Sequence: 1 HAEGTFTSDVSSYLEGQAKEFIAMLV 27

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

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2: /cgn2\_6/prodata/2/iaa/5B\_COMB.pep:\*

3: /cgn2\_6/prodata/2/iaa/6A\_COMB.pep:\*

4: /cgn2\_6/prodata/2/iaa/6B\_COMB.pep:\*

5: /cgn2\_6/prodata/2/iaa/PTUS\_COMB.pep:\*

6: /cgn2\_6/prodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
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| 1          | 139   | 100.0       | 27     | 3  | US-08-472-349-7   |
| 2          | 139   | 100.0       | 28     | 1  | US-08-095-162-4   |
| 3          | 139   | 100.0       | 28     | 1  | US-08-470-220A-4  |
| 4          | 139   | 100.0       | 28     | 3  | US-08-967-374-4   |
| 5          | 139   | 100.0       | 28     | 3  | US-08-915-918A-3  |
| 6          | 139   | 100.0       | 28     | 3  | US-08-472-349-5   |
| 7          | 139   | 100.0       | 28     | 4  | US-09-209-799D-8  |
| 8          | 139   | 100.0       | 28     | 4  | US-09-505-991-4   |
| 9          | 139   | 100.0       | 28     | 4  | US-09-212-663-5   |
| 10         | 139   | 100.0       | 28     | 4  | US-09-997-792A-6  |
| 11         | 139   | 100.0       | 28     | 5  | US-10-170-301-2   |
| 12         | 139   | 100.0       | 28     | 5  | US-09-15800-21    |
| 13         | 139   | 100.0       | 29     | 1  | US-08-095-162-18  |
| 14         | 139   | 100.0       | 29     | 1  | US-08-470-220A-18 |
| 15         | 139   | 100.0       | 29     | 3  | US-08-967-374-18  |
| 16         | 139   | 100.0       | 29     | 3  | US-08-961-405A-3  |
| 17         | 139   | 100.0       | 29     | 3  | US-08-472-349-4   |
| 18         | 139   | 100.0       | 29     | 4  | US-09-209-799D-3  |
| 19         | 139   | 100.0       | 29     | 4  | US-09-209-799D-9  |
| 20         | 139   | 100.0       | 29     | 4  | US-09-505-991-18  |
| 21         | 139   | 100.0       | 29     | 4  | US-09-997-792A-3  |
| 22         | 139   | 100.0       | 29     | 4  | US-09-997-792A-7  |
| 23         | 139   | 100.0       | 29     | 4  | US-09-585-186A-3  |
| 24         | 139   | 100.0       | 30     | 1  | US-08-066-480-6   |
| 25         | 139   | 100.0       | 30     | 1  | US-08-095-162-1   |
| 26         | 139   | 100.0       | 30     | 1  | US-08-470-220A-1  |
| 27         | 139   | 100.0       | 30     | 2  | US-08-927-227-1   |

28 139 100.0 30 3 US-08-967-374-1 Sequence 1, Appli  
29 139 100.0 30 3 US-09-348-136-1 Sequence 1, Appli  
30 139 100.0 30 3 US-08-961-405A-5 Sequence 5, Appli  
31 139 100.0 30 3 US-08-961-405A-9 Sequence 9, Appli  
32 139 100.0 30 3 US-08-915-918A-5 Sequence 5, Appli  
33 139 100.0 30 3 US-09-302-596-4 Sequence 4, Appli  
34 139 100.0 30 3 US-08-472-349-3 Sequence 3, Appli  
35 139 100.0 30 4 US-09-333-415-4 Sequence 4, Appli  
36 139 100.0 30 4 US-09-585-181A-4 Sequence 4, Appli  
37 139 100.0 30 4 US-09-209-799D-10 Sequence 10, Appli  
38 139 100.0 30 4 US-09-975-905-1 Sequence 1, Appli  
39 139 100.0 30 4 US-09-505-991-1 Sequence 1, Appli  
40 139 100.0 30 4 US-09-573-809-1 Sequence 1, Appli  
41 139 100.0 30 4 US-09-303-016-4 Sequence 4, Appli  
42 139 100.0 30 4 US-09-212-663-4 Sequence 4, Appli  
43 139 100.0 30 4 US-09-614-847-114 Sequence 114, App  
44 139 100.0 30 4 US-09-997-792A-8 Sequence 8, Appli  
45 139 100.0 30 4 US-09-805-507-4 Sequence 4, Appli

## ALIGNMENTS

RESULT 1  
US-08-472-349-7  
; Sequence 7, Application US/08472349  
; Patent No. 6284727  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; APPLICANT: Lambert, William J.  
; APPLICANT: Qi, Hong  
; APPLICANT: Geifand, Robert A.  
; APPLICANT: Geoghegan, Kieran P.  
; APPLICANT: Panley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/472,349  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181,655  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Shevka, Robert F.  
; REGISTRATION NUMBER: 31,304  
; REFERENCE/DOCKET NUMBER: PC8391  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)573-1189  
; TELEFAX: (212)573-1939  
; TELEX: N/A  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 27 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: N-terminal

## ORIGINAL SOURCE:

ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE: N/A  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
US-08-472-349-7

Query Match 100.0%; Score 139; DB 3; Length 27;  
Best Local Similarity 100.0%; Pred. No. 5.8e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAQAEFIAMLV 27

DB 1 HAEGTFTSDVSSYLEGQAQAEFIAMLV 27

## RESULT 2

US-08-095-162-4

; Sequence 4, Application US/08095162

; Patent No. 5512459

; GENERAL INFORMATION:

; APPLICANT: Wagner, Fred W.

; APPLICANT: Stout, Jay

; APPLICANT: Henriksen, Dennis

; APPLICANT: Partridge, Bruce

; APPLICANT: Manning, Shane

; TITLE OF INVENTION: Enzymatic Method for Modification of

; TITLE OF INVENTION: Recombinant Polypeptides

; NUMBER OF SEQUENCES: 26

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merchant &amp; Gould

; STREET: 3100 No. 5512459west Center

; CITY: Minneapolis

; STATE: MN

; COUNTRY: USA

; ZIP: 55402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/095,162

; FILING DATE: 20-JUL-1993

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: Nelson, Albin J.

; REGISTRATION NUMBER: 28,659

; REFERENCE/DOCKET NUMBER: 8648.32-US01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 612-332-5300

; TELEFAX: 612-332-9081

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 28 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; IMMEDIATE SOURCE:

; CLONE: GLP1 (7-34)

US-08-095-162-4

Query Match

Best Local Similarity 100.0%; Score 139; DB 1; Length 28;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAQAEFIAMLV 27

DB 1 HAEGTFTSDVSSYLEGQAQAEFIAMLV 27

## RESULT 3

US-08-470-220A-4

; Sequence 4, Application US/08470220A

; Patent No. 5707826

; GENERAL INFORMATION:

; APPLICANT: Wagner, Fred W.

; APPLICANT: Stout, Jay

; APPLICANT: Henriksen, Dennis

; APPLICANT: Partridge, Bruce

; APPLICANT: Manning, Shane

; TITLE OF INVENTION: Enzymatic Method for Modification of

; TITLE OF INVENTION: Recombinant Polypeptides

; NUMBER OF SEQUENCES: 26

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merchant &amp; Gould

; STREET: 3100 No. 5707826west Center

; CITY: Minneapolis

; STATE: MN

; COUNTRY: USA

; ZIP: 55402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/470,220A

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/095,162

; FILING DATE: 20-JUL-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Nelson, Albin J.

; REGISTRATION NUMBER: 28,659

; REFERENCE/DOCKET NUMBER: 8648.32-US01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 612-332-5300

; TELEFAX: 612-332-9081

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 28 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; IMMEDIATE SOURCE:

; CLONE: GLP1 (7-34)

US-08-470-220A-4

Query Match

Best Local Similarity 100.0%; Score 139; DB 1; Length 28;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAQAEFIAMLV 27

DB 1 HAEGTFTSDVSSYLEGQAQAEFIAMLV 27

## RESULT 4

US-08-967-374-4

; Sequence 4, Application US/08967374

; Patent No. 6037143

; GENERAL INFORMATION:

; APPLICANT: Wagner, Fred W.

; APPLICANT: Stout, Jay

; APPLICANT: Henriksen, Dennis

; APPLICANT: Partridge, Bruce

; APPLICANT: Manning, Shane

;; TITLE OF INVENTION: Enzymatic Method for Modification of  
;; TITLE OF INVENTION: Recombinant Polypeptides  
;; NUMBER OF SEQUENCES: 26  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Merchant & Gould  
;; STREET: 3100 No. 6037143west Center  
;; CITY: Minneapolis  
;; STATE: MN  
;; COUNTRY: USA  
;; ZIP: 55402  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/967,374  
;; FILING DATE:  
;;  
;; CLASSIFICATION:  
;; PRIOR APPLICATION NUMBER: 08/520,485  
;; FILING DATE: 29-AUG-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Carter, Charles G.  
;; REGISTRATION NUMBER: 35,093  
;; REFERENCE/DOCKET NUMBER: 8648.32-USD1  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 612-332-5300  
;; TELEFAX: 612-332-9081  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 28 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; IMMEDIATE SOURCE:  
;; CLONE: GLP1 (7-34)  
;;  
US-08-967-374-4  
  
Query Match 100.0%; Score 139; DB 3; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.1e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||  
  
RESULT 5  
US-08-915-918A-3  
; Sequence 3, Application US/08915918A  
; Patent No. 627819  
; GENERAL INFORMATION:  
; APPLICANT: Eficendic, Suad  
; TITLE OF INVENTION: USE OF GLP-1 OR ANALOGS IN TREATMENT OF  
; TITLE OF INVENTION: MYOCARDIAL INFARCTION  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BRINKS, HOFER, GILSON & LIONE  
; STREET: NBC Tower - Suite 3600, 455 N. Cityfront  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60611-5599  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/915,918A  
; FILING DATE: 21-AUG-1997

;; CLASSIFICATION: 514  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Martin, Alice O.  
;; REGISTRATION NUMBER: 35,601  
;; REFERENCE/DOCKET NUMBER: 8792/28  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 312-321-4200  
;; TELEFAX: 312-321-4299  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 28 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS:  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;;  
US-08-915-918A-3  
  
Query Match 100.0%; Score 139; DB 3; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.1e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||  
  
RESULT 6  
US-08-472-349-5  
; Sequence 5, Application US/08472349  
; Patent No. 6284727  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; APPLICANT: Lambert, William J.  
; APPLICANT: Qi, Hong  
; APPLICANT: Gelfand, Robert A.  
; APPLICANT: Geoghegan, Kieran F.  
; APPLICANT: Danley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/472,349  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181,655  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sheyka, Robert F.  
; REGISTRATION NUMBER: 31,304  
; REFERENCE/DOCKET NUMBER: PC8391  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)573-1189  
; TELEFAX: (212)573-1939  
; TELEX: N/A  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide



Db 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27

RESULT 10  
US-09-997-792A-6  
; Sequence 6, Application US/09997792A  
; Patent No. 6555521  
; GENERAL INFORMATION:  
; APPLICANT: ELI LILLY AND COMPANY  
; TITLE OF INVENTION: Glucagon-Like Peptide-1 Crystals  
; FILE REFERENCE: X-10242A  
; CURRENT APPLICATION NUMBER: US/09/997,792A  
; CURRENT FILING DATE: 2002-09-30  
; PRIOR APPLICATION NUMBER: US 60/069,728  
; PRIOR FILING DATE: 1997-12-16  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 6  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Construct  
US-09-997-792A-6

Query Match 100.0%; Score 139; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.1e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27  
|||||  
Db 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27

RESULT 11  
US-10-170-301-2  
; Sequence 2, Application US/10170301  
; Patent No. 6573237  
; GENERAL INFORMATION:  
; APPLICANT: Rinella, Joseph  
; TITLE OF INVENTION: Protein Formulations  
; FILE REFERENCE: X12473A  
; CURRENT APPLICATION NUMBER: US/10/170,301  
; CURRENT FILING DATE: 2002-06-12  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 2  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (28)..(28)  
; OTHER INFORMATION: Xaa = Lys or Lys-Gly  
US-10-170-301-2

Query Match 100.0%; Score 139; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.1e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27  
|||||  
Db 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27

RESULT 12  
PCT-US95-15800-21  
; Sequence 21, Application PC/TUS9515800  
; GENERAL INFORMATION:  
; APPLICANT: Bionbraska, Inc.  
; TITLE OF INVENTION: PRODUCTION OF PEPTIDES USING  
; TITLE OF INVENTION: RECOMBINANT FUSION PROTEIN CONSTRUCTS  
; NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 Northwest Center, 90 S. 7th Street  
CITY: Minneapolis  
STATE: MN  
COUNTRY: U.S.A.  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/15800  
FILING DATE: 07-DEC-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,530  
FILING DATE: 07-DEC-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Carter, Charles G  
REGISTRATION NUMBER: 35,093  
REFERENCE/DOCKET NUMBER: 8648.45USWO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612/332-5300  
TELEFAX: 612/332-9081  
TELEX:  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
PCT-US95-15800-21

Query Match 100.0%; Score 139; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 6.1e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27  
|||||  
Db 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27

RESULT 13  
US-08-095-162-18  
; Sequence 18, Application US/08095162  
; Patent No. 5512459  
; GENERAL INFORMATION:  
; APPLICANT: Wagner, Fred W.  
; APPLICANT: Stout, Jay  
; APPLICANT: Henriksen, Dennis  
; APPLICANT: Partridge, Bruce  
; APPLICANT: Manning, Shane  
; TITLE OF INVENTION: Enzymatic Method for Modification of  
; TITLE OF INVENTION: Recombinant Polypeptides  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 No. 5512459west Center  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/095,162  
APPLICATION NUMBER: US/08/095,162  
FILING DATE: 20-JUL-1993  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Nelson, Albin J.  
REGISTRATION NUMBER: 28,659  
REFERENCE/DOCKET NUMBER: 8648.32-US01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-095-162-18

Query Match 100.0%; Score 139; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 6.3e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

RESULT 14  
US-08-470-220A-18  
Sequence 18, Application US/08470220A  
Patent No. 5707826  
GENERAL INFORMATION:  
APPLICANT: Stout, Jay  
APPLICANT: Henriksen, Dennis  
APPLICANT: Partridge, Bruce  
APPLICANT: Manning, Shane  
TITLE OF INVENTION: Enzymatic Method for Modification of  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 No. 5707826west Center  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/095,162  
FILING DATE: 20-JUL-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Nelson, Albin J.  
REGISTRATION NUMBER: 28,659  
REFERENCE/DOCKET NUMBER: 8648.32-US01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: peptide  
US-08-470-220A-18

Query Match 100.0%; Score 139; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 6.3e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

RESULT 15  
US-08-967-374-18  
Sequence 18, Application US/08967374  
Patent No. 6037143  
GENERAL INFORMATION:  
APPLICANT: Stout, Jay  
APPLICANT: Henriksen, Dennis  
APPLICANT: Partridge, Bruce  
APPLICANT: Manning, Shane  
TITLE OF INVENTION: Enzymatic Method for Modification of  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 No. 6037143west Center  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
FILING DATE: 29-AUG-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/520,485  
FILING DATE: 29-AUG-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Carter, Charles G.  
REGISTRATION NUMBER: 35,093  
REFERENCE/DOCKET NUMBER: 8648.32-USD1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-967-374-18

Query Match 100.0%; Score 139; DB 3; Length 29;  
Best Local Similarity 100.0%; Pred. No. 6.3e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

Search completed: July 3, 2004, 00:28:48  
Job time : 13.9193 secs



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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:26:08 ; Search time 39.0745 Seconds  
(without alignments)  
215.093 Million cell updates/sec

Title: US-09-943-084-7

Perfect score: 139  
Sequence: 1 HAEGFTSDVSSYLEGQAKEPIAWLV 27

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1276540 seqs, 311283816 residues

Total number of hits satisfying chosen parameters: 1276540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US05\_NEW\_PUB.pep.\*  
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17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | ID               | Description        |
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| 1          | 139   | 100.0       | 27     | US-09-943-084-7  | Sequence 7, Appli  |
| 2          | 139   | 100.0       | 28     | US-09-997-792-8  | Sequence 8, Appli  |
| 3          | 139   | 100.0       | 28     | US-09-767-981-1  | Sequence 1, Appli  |
| 4          | 139   | 100.0       | 28     | US-09-772-607-2  | Sequence 2, Appli  |
| 5          | 139   | 100.0       | 28     | US-09-858-880-3  | Sequence 3, Appli  |
| 6          | 139   | 100.0       | 28     | US-10-169-657-3  | Sequence 3, Appli  |
| 7          | 139   | 100.0       | 28     | US-10-169-657-6  | Sequence 6, Appli  |
| 8          | 139   | 100.0       | 28     | US-10-170-301-2  | Sequence 2, Appli  |
| 9          | 139   | 100.0       | 28     | US-10-378-094-7  | Sequence 7, Appli  |
| 10         | 139   | 100.0       | 28     | US-10-215-272-23 | Sequence 23, Appli |
| 11         | 139   | 100.0       | 29     | US-09-834-229A-3 | Sequence 3, Appli  |
| 12         | 139   | 100.0       | 29     | US-09-997-792-3  | Sequence 3, Appli  |
| 13         | 139   | 100.0       | 29     | US-09-997-792-9  | Sequence 9, Appli  |
| 14         | 139   | 100.0       | 29     | US-10-169-657-7  | Sequence 7, Appli  |
| 15         | 139   | 100.0       | 29     | US-10-378-094-8  | Sequence 8, Appli  |

|    |     |       |    |    |                   |                     |
|----|-----|-------|----|----|-------------------|---------------------|
| 16 | 139 | 100.0 | 29 | 15 | US-10-215-272-24  | Sequence 24, Appli  |
| 17 | 139 | 100.0 | 30 | 9  | US-09-851-738-4   | Sequence 4, Appli   |
| 18 | 139 | 100.0 | 30 | 9  | US-09-805-507-4   | Sequence 4, Appli   |
| 19 | 139 | 100.0 | 30 | 9  | US-09-859-804-4   | Sequence 4, Appli   |
| 20 | 139 | 100.0 | 30 | 9  | US-09-982-978-4   | Sequence 4, Appli   |
| 21 | 139 | 100.0 | 30 | 9  | US-09-953-021B-4  | Sequence 4, Appli   |
| 22 | 139 | 100.0 | 30 | 10 | US-09-834-229A-5  | Sequence 5, Appli   |
| 23 | 139 | 100.0 | 30 | 10 | US-09-997-792-10  | Sequence 10, Appli  |
| 24 | 139 | 100.0 | 30 | 12 | US-09-858-880-1   | Sequence 1, Appli   |
| 25 | 139 | 100.0 | 30 | 12 | US-09-858-880-2   | Sequence 2, Appli   |
| 26 | 139 | 100.0 | 30 | 12 | US-10-201-288-28  | Sequence 28, Appli  |
| 27 | 139 | 100.0 | 30 | 13 | US-10-072-540A-4  | Sequence 4, Appli   |
| 28 | 139 | 100.0 | 30 | 13 | US-10-125-255-1   | Sequence 1, Appli   |
| 29 | 139 | 100.0 | 30 | 14 | US-10-091-258-4   | Sequence 4, Appli   |
| 30 | 139 | 100.0 | 30 | 14 | US-10-055-259-4   | Sequence 4, Appli   |
| 31 | 139 | 100.0 | 30 | 14 | US-10-265-345A-2  | Sequence 2, Appli   |
| 32 | 139 | 100.0 | 30 | 14 | US-10-097-230-3   | Sequence 3, Appli   |
| 33 | 139 | 100.0 | 30 | 15 | US-10-378-094-48  | Sequence 48, Appli  |
| 34 | 139 | 100.0 | 30 | 15 | US-10-345-751-2   | Sequence 2, Appli   |
| 35 | 139 | 100.0 | 30 | 15 | US-10-322-839-4   | Sequence 4, Appli   |
| 36 | 139 | 100.0 | 30 | 15 | US-10-215-272-25  | Sequence 25, Appli  |
| 37 | 139 | 100.0 | 30 | 15 | US-10-629-261-1   | Sequence 1, Appli   |
| 38 | 139 | 100.0 | 30 | 15 | US-10-629-261-71  | Sequence 71, Appli  |
| 39 | 139 | 100.0 | 30 | 15 | US-10-629-261-72  | Sequence 72, Appli  |
| 40 | 139 | 100.0 | 30 | 16 | US-10-291-226-114 | Sequence 114, Appli |
| 41 | 139 | 100.0 | 31 | 9  | US-09-754-723-1   | Sequence 1, Appli   |
| 42 | 139 | 100.0 | 31 | 9  | US-09-420-785A-3  | Sequence 3, Appli   |
| 43 | 139 | 100.0 | 31 | 9  | US-09-876-388-2   | Sequence 2, Appli   |
| 44 | 139 | 100.0 | 31 | 9  | US-09-876-388-17  | Sequence 17, Appli  |
| 45 | 139 | 100.0 | 31 | 9  | US-09-876-388-27  | Sequence 27, Appli  |

#### ALIGNMENTS

#### RESULT 1

US-09-943-084-7  
; Sequence 7, Application US/09943084  
; Publication No. US20030050237A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Yesook  
; Lambert, William J.  
; Qi, Hong  
; Gelfand, Robert A.  
; Geoghagan, Kieran F.  
; Danley, Dennis E.  
; TITLE OF INVENTION: Prolonged Delivery of Peptides  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pfizer Inc  
; STREET: 235 East 42nd Street, 20th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10017-5755  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/943,084  
; FILING DATE: 31-Aug-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181,655  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sheyka, Robert F.  
; REGISTRATION NUMBER: 31,304  
; REFERENCE/DOCKET NUMBER: PC8391  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)573-1189

; PRIOR APPLICATION NUMBER: US 10/231,494  
; PRIOR FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: US 60/334,059  
; PRIOR FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: US 60/315,745  
; PRIOR FILING DATE: 2001-08-30  
; NUMBER OF SEQ ID NOS: 66  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 7  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: GLP-1 molecule having insulinotropic activity  
US-10-378-094-7

Query Match 100.0%; Score 139; DB 15; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.5e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||||

RESULT 10  
US-10-215-272-23  
; Sequence 23, Application US/10215272  
; Publication No. US2004002468A1  
; GENERAL INFORMATION:  
; APPLICANT: Genzyme Corporation  
; APPLICANT: Wadsworth, Samuel C.  
; APPLICANT: Armentano, Donna  
; APPLICANT: Gregory, Richard J.  
; APPLICANT: Parsons, Geoffrey  
; TITLE OF INVENTION: Methods of Treating Diabetes and Other  
; FILE REFERENCE: 2478,201902,PCT  
; CURRENT APPLICATION NUMBER: US/10/215,272  
; CURRENT FILING DATE: 2002-08-07  
; PRIOR APPLICATION NUMBER: US 60/310,982  
; PRIOR FILING DATE: 2001-08-08  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 23  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)  
US-10-215-272-23

Query Match 100.0%; Score 139; DB 15; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.5e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||||

RESULT 11  
US-09-834-229A-3  
; Sequence 3, Application US/09834229A  
; Publication No. US20030022823A1  
; GENERAL INFORMATION:  
; APPLICANT: Efendic, Suad  
; TITLE OF INVENTION: USE OF GLP-1 OR ANALOGS IN TREATMENT OF MYOCARDIAL INFARCTION  
; FILE REFERENCE: X-10822A  
; CURRENT APPLICATION NUMBER: US/09/834,229A  
; CURRENT FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: US 08/915,918  
; PRIOR FILING DATE: 1997-08-21

; PRIOR APPLICATION NUMBER: US 06/024,980  
; PRIOR FILING DATE: 1996-08-30  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic construct  
; NAME/KEY: MISC FEATURE  
; LOCATION: (29)..(29)  
; OTHER INFORMATION: Xaa at position 29 is absent or Gly.  
US-09-834-229A-3

Query Match 100.0%; Score 139; DB 10; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.6e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
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RESULT 12  
US-09-997-792-3  
; Sequence 3, Application US/09997792  
; Publication No. US20030045464A1  
; GENERAL INFORMATION:  
; APPLICANT: Hermeling, Ronald  
; APPLICANT: Hoffmann, James  
; APPLICANT: Narasimhan, Chakravarthy  
; TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS  
; FILE REFERENCE: X-10242  
; CURRENT APPLICATION NUMBER: US/09/997,792  
; CURRENT FILING DATE: 2001-11-30  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic construct  
; NAME/KEY: VARIANT  
; LOCATION: (28)..(28)  
; OTHER INFORMATION: Xaa at position 28 is Lys or absent  
; NAME/KEY: VARIANT  
; LOCATION: (29)..(29)  
; OTHER INFORMATION: Xaa at position 29 is Gly or absent; and, if Xaa at position 28  
; OTHER INFORMATION: absent, Xaa at position 29 must be absent  
US-09-997-792-3

Query Match 100.0%; Score 139; DB 10; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.6e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
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DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||||

RESULT 13  
US-09-997-792-9  
; Sequence 9, Application US/09997792  
; Publication No. US20030045464A1  
; GENERAL INFORMATION:  
; APPLICANT: Hermeling, Ronald  
; APPLICANT: Hoffmann, James  
; APPLICANT: Narasimhan, Chakravarthy  
; TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS  
; FILE REFERENCE: X-10242  
; CURRENT APPLICATION NUMBER: US/09/997,792

; CURRENT FILING DATE: 2001-11-30  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 9  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic construct  
US-09-997-792-9

Query Match 100.0%; Score 139; DB 10; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.6e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGFTSDVSSYLEGQAAKEFIAMLV 27

## RESULT 14

US-10-169-657-7  
; Sequence 7, Application US/10169657  
; Publication No. US20030060412A1  
; GENERAL INFORMATION:

; APPLICANT: Eli Lilly and Company  
; TITLE OF INVENTION: Process for Solubilizing Glucagon-Like Peptide 1 Compounds  
; FILE REFERENCE: X-11708  
; CURRENT APPLICATION NUMBER: US/10/169,657  
; CURRENT FILING DATE: 2002-06-28  
; PRIOR APPLICATION NUMBER: US 60/178,438  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/224,058  
; PRIOR FILING DATE: 2000-08-09  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 7  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic construct  
; NAME/KEY: VARIANT  
; LOCATION: (1)..(29)  
; OTHER INFORMATION: The last 2 amino acids of GLP-1 (7-37) are deleted  
US-10-169-657-7

Query Match 100.0%; Score 139; DB 14; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.6e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGFTSDVSSYLEGQAAKEFIAMLV 27

## RESULT 15

US-10-378-094-8  
; Sequence 8, Application US/10378094  
; Publication No. US20030221201A1  
; GENERAL INFORMATION:

; APPLICANT: PRIOR, Christopher P.  
; APPLICANT: LAI, Char-Huei  
; APPLICANT: SADRSHI, Homayoun  
; APPLICANT: TURNER, Andrew  
; TITLE OF INVENTION: MODIFIED TRANSFERRIN FUSION PROTEINS  
; FILE REFERENCE: 54710-5001-01-US  
; CURRENT APPLICATION NUMBER: US/10/378,094  
; CURRENT FILING DATE: 2003-03-04  
; PRIOR APPLICATION NUMBER: US 10/231,494  
; PRIOR FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: US 60/334,059

; PRIOR FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: US 60/315,745  
; PRIOR FILING DATE: 2001-08-30  
; NUMBER OF SEQ ID NOS: 66  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 8  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: GLP-1 molecule having insulinotropic activity  
US-10-378-094-8

Query Match 100.0%; Score 139; DB 15; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.6e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 HAEGFTSDVSSYLEGQAAKEFIAMLV 27

Search completed: July 3, 2004, 00:51:50  
Job time : 39.0745 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: July 3, 2004, 00:22:02 ; Search time 173.068 Seconds  
(without alignments)  
152.272 Million cell updates/sec

Title: US-09-943-084-7

Perfect score: 139  
Sequence: 1 HAEGTFTSDVSSYLEGQAARFIAMLV 27

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 6019581 seqs, 976053577 residues

Total number of hits satisfying chosen parameters: 6019581

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Parents AA Main:

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3: /cgn2_6/ptodata/2/paa/US07 COMB.pcp.*
4: /cgn2_6/ptodata/2/paa/US08 COMB.pcp.*
5: /cgn2_6/ptodata/2/paa/US081 COMB.pcp.*
6: /cgn2_6/ptodata/2/paa/US082 COMB.pcp.*
7: /cgn2_6/ptodata/2/paa/US083 COMB.pcp.*
8: /cgn2_6/ptodata/2/paa/US084 COMB.pcp.*
9: /cgn2_6/ptodata/2/paa/US085 COMB.pcp.*
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11: /cgn2_6/ptodata/2/paa/US087 COMB.pcp.*
12: /cgn2_6/ptodata/2/paa/US088 COMB.pcp.*
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18: /cgn2_6/ptodata/2/paa/US094 COMB.pcp.*
19: /cgn2_6/ptodata/2/paa/US095 COMB.pcp.*
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21: /cgn2_6/ptodata/2/paa/US097A COMB.pcp.*
22: /cgn2_6/ptodata/2/paa/US097B COMB.pcp.*
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24: /cgn2_6/ptodata/2/paa/US099A COMB.pcp.*
25: /cgn2_6/ptodata/2/paa/US099B COMB.pcp.*
26: /cgn2_6/ptodata/2/paa/US100 COMB.pcp.*
27: /cgn2_6/ptodata/2/paa/US101 COMB.pcp.*
28: /cgn2_6/ptodata/2/paa/US102 COMB.pcp.*
29: /cgn2_6/ptodata/2/paa/US103 COMB.pcp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Query Match Length | ID | Description |
|------------|-------|--------------------|----|-------------|
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| 1  | 139 | 100.0 | 27 | 4  | US-08-044-133-7    | Sequence 7, Appli  |
| 2  | 139 | 100.0 | 27 | 5  | US-08-122-077-1    | Sequence 1, Appli  |
| 3  | 139 | 100.0 | 27 | 22 | US-09-762-538-5    | Sequence 5, Appli  |
| 4  | 139 | 100.0 | 27 | 24 | US-09-943-084-7    | Sequence 7, Appli  |
| 5  | 139 | 100.0 | 28 | 1  | PCT-US02-25227-23  | Sequence 23, Appli |
| 6  | 139 | 100.0 | 28 | 1  | PCT-US03-26778-7   | Sequence 7, Appli  |
| 7  | 139 | 100.0 | 28 | 1  | PCT-US03-26818-7   | Sequence 7, Appli  |
| 8  | 139 | 100.0 | 28 | 3  | US-07-899-073-5    | Sequence 5, Appli  |
| 9  | 139 | 100.0 | 28 | 4  | US-08-044-133-5    | Sequence 21, Appli |
| 10 | 139 | 100.0 | 28 | 7  | US-08-350-530A-21  | Sequence 5, Appli  |
| 11 | 139 | 100.0 | 28 | 7  | US-08-356-231-5    | Sequence 4, Appli  |
| 12 | 139 | 100.0 | 28 | 9  | US-08-520-485-4    | Sequence 1, Appli  |
| 13 | 139 | 100.0 | 28 | 12 | US-08-860-103A-1   | Sequence 1, Appli  |
| 14 | 139 | 100.0 | 28 | 12 | US-09-068-822-2    | Sequence 2, Appli  |
| 15 | 139 | 100.0 | 28 | 14 | US-09-400-802A-2   | Sequence 2, Appli  |
| 16 | 139 | 100.0 | 28 | 18 | US-09-400-802A-33  | Sequence 33, Appli |
| 17 | 139 | 100.0 | 28 | 18 | US-09-400-802A-34  | Sequence 34, Appli |
| 18 | 139 | 100.0 | 28 | 18 | US-09-508-083-1    | Sequence 1, Appli  |
| 19 | 139 | 100.0 | 28 | 19 | US-09-762-538-4    | Sequence 4, Appli  |
| 20 | 139 | 100.0 | 28 | 22 | US-09-767-981-1    | Sequence 1, Appli  |
| 21 | 139 | 100.0 | 28 | 22 | US-09-772-607-2    | Sequence 2, Appli  |
| 22 | 139 | 100.0 | 28 | 22 | US-09-772-607C-2   | Sequence 2, Appli  |
| 23 | 139 | 100.0 | 28 | 22 | US-09-772-607C-2   | Sequence 2, Appli  |
| 24 | 139 | 100.0 | 28 | 22 | US-09-858-860-3    | Sequence 3, Appli  |
| 25 | 139 | 100.0 | 28 | 23 | US-10-149-557-3    | Sequence 3, Appli  |
| 26 | 139 | 100.0 | 28 | 27 | US-10-183-557-6    | Sequence 6, Appli  |
| 27 | 139 | 100.0 | 28 | 27 | US-10-215-272-23   | Sequence 23, Appli |
| 28 | 139 | 100.0 | 28 | 28 | US-10-378-094-7    | Sequence 7, Appli  |
| 29 | 139 | 100.0 | 28 | 29 | US-10-460-829-7    | Sequence 7, Appli  |
| 30 | 139 | 100.0 | 28 | 33 | US-60-160-203-4050 | Sequence 4050, Ap  |
| 31 | 139 | 100.0 | 28 | 33 | US-60-460-829-7    | Sequence 7, Appli  |
| 32 | 139 | 100.0 | 29 | 1  | PCT-US02-25227-24  | Sequence 24, Appli |
| 33 | 139 | 100.0 | 29 | 1  | PCT-US03-26778-8   | Sequence 8, Appli  |
| 34 | 139 | 100.0 | 29 | 1  | PCT-US03-26818-8   | Sequence 8, Appli  |
| 35 | 139 | 100.0 | 29 | 1  | PCT-US98-26480-3   | Sequence 3, Appli  |
| 36 | 139 | 100.0 | 29 | 3  | US-07-899-073-4    | Sequence 4, Appli  |
| 37 | 139 | 100.0 | 29 | 4  | US-08-044-133-4    | Sequence 4, Appli  |
| 38 | 139 | 100.0 | 29 | 7  | US-08-350-538-52   | Sequence 52, Appli |
| 39 | 139 | 100.0 | 29 | 7  | US-08-356-231-4    | Sequence 4, Appli  |
| 40 | 139 | 100.0 | 29 | 9  | US-08-520-485-18   | Sequence 18, Appli |
| 41 | 139 | 100.0 | 29 | 13 | US-08-934-171-52   | Sequence 52, Appli |
| 42 | 139 | 100.0 | 29 | 17 | US-09-383-789B-2   | Sequence 2, Appli  |
| 43 | 139 | 100.0 | 29 | 18 | US-09-400-802A-3   | Sequence 3, Appli  |
| 44 | 139 | 100.0 | 29 | 19 | US-09-586-186-3    | Sequence 3, Appli  |
| 45 | 139 | 100.0 | 29 | 22 | US-09-762-538-3    | Sequence 3, Appli  |

## ALIGNMENTS

RESULT 1  
US-08-044-133-7  
Sequence 7, Application US/08044133  
GENERAL INFORMATION:  
APPLICANT: Kim, Yesook  
APPLICANT: Lambert, William J.  
APPLICANT: Qi, Hong  
APPLICANT: Gelfand, Robert A.  
APPLICANT: Geoghegan, Kieran P.  
APPLICANT: Danley, Dennis E.  
TITLE OF INVENTION: Prolonged Delivery of Peptides  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Pfizer Inc  
STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,133
; FILING DATE: 07-APR-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Shevka, Robert F.
; REGISTRATION NUMBER: 31,304
; REFERENCE/DOCKET NUMBER: PC8391
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)573-1189
; TELEFAX: (212)573-1939
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: N/A
; STRAIN: N/A
; INDIVIDUAL ISOLATE: N/A
; HAPLOTYPE: N/A
; CELL LINE: N/A
; IMMEDIATE SOURCE:
; LIBRARY: N/A
; CLONE: N/A
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: N/A
; MAP POSITION: N/A
;
US-08-044-133-7
Query Match 100.0%; Score 139; DB 4; Length 27;
Best Local Similarity 100.0%; Pred. No. 7.1e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27
Db 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27

RESULT 2
US-08-122-077-1
; Sequence 1, Application US/08122077
; GENERAL INFORMATION:
; APPLICANT: J rgensen, Klavs H.
; APPLICANT: Balschmidt, Per
; APPLICANT: Agerb k, Hanne
; TITLE OF INVENTION: PROTRACTED GLP-1
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESS: Novo Nordisk of North America, Inc.
; STREET: 405 Lexington Avenue, Suite 6400
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10174-6201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/122,077
; FILING DATE: 16-NOV-1993
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DK 955/93

;
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,084
; FILING DATE: 07-APR-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4058.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-867-0298
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-122-077-1
Query Match 100.0%; Score 139; DB 5; Length 27;
Best Local Similarity 100.0%; Pred. No. 7.1e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27
Db 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27

RESULT 3
US-09-762-538-5
; Sequence 5, Application US/09762538
; GENERAL INFORMATION:
; APPLICANT: Riccardo Perfetti
; APPLICANT: Antonino Passaniti
; APPLICANT: Nigel Greig
; APPLICANT: Harold Holloway
; TITLE OF INVENTION: INSULIN PRODUCING CELLS DIFFERENTIATED
; TITLE OF INVENTION: FROM NON-INSULIN PRODUCING CELLS BY GLP-1 OR EXENDIN-4 AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 14014.0346P
; CURRENT APPLICATION NUMBER: US/09/762,538
; CURRENT FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/095,917
; PRIOR FILING DATE: 1998-08-10
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Human
;
US-09-762-538-5
Query Match 100.0%; Score 139; DB 22; Length 27;
Best Local Similarity 100.0%; Pred. No. 7.1e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27
Db 1 HAEGTFTSDVSSYLEGQAQKEFIAMLV 27

RESULT 4
US-09-943-084-7
; Sequence 7, Application US/09943084
; GENERAL INFORMATION:
; APPLICANT: Kim, Yesook
; APPLICANT: Lambert, William J.
; APPLICANT: Qi, Hong
; APPLICANT: Gelfand, Robert A.
; APPLICANT: Geoghegan, Kieran F.
; APPLICANT: Danley, Dennis E.
; TITLE OF INVENTION: Prolonged Delivery of Peptides
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pfizer Inc
```

STREET: 235 East 42nd Street, 20th Floor  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10017-5755  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICANT: US/09/943,084  
FILING DATE: 31-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/181,655  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Sheyka, Robert F.  
REGISTRATION NUMBER: 31,304  
REFERENCE/DOCKET NUMBER: PC8391  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)573-1189  
TELEFAX: (212)573-1939  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: N/A  
STRAIN: N/A  
INDIVIDUAL ISOLATE: N/A  
HAPLOTYPE: N/A  
CELL LINE: N/A  
IMMEDIATE SOURCE:  
LIBRARY: N/A  
CLONE: N/A  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT: N/A  
MAP POSITION: N/A  
SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
US-09-943-084-7  
Query Match 100.0%; Score 139; DB 24; Length 27;  
Best Local Similarity 100.0%; Pred. No. 7.1e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
RESULT 5  
PCT-US02-25227-23  
Sequence 23, Application PC/TUS0225227  
GENERAL INFORMATION:  
APPLICANT: Genzyme Corporation  
APPLICANT: Wadsworth, Samuel C.  
APPLICANT: Armentano, Donna  
APPLICANT: Gregory, Richard J.  
APPLICANT: Parsons, Geoffrey  
TITLE OF INVENTION: Methods of Treating Diabetes and Other  
FILE REFERENCE: 2478.2019002 PCT  
CURRENT APPLICATION NUMBER: PCT/US02/25227  
CURRENT FILING DATE: 2002-08-07

PRIOR APPLICATION NUMBER: US 60/310,982  
PRIOR FILING DATE: 2001-08-08  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 23  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)  
PCT-US02-25227-23  
Query Match 100.0%; Score 139; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.4e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
RESULT 6  
PCT-US03-26778-7  
Sequence 7, Application PC/TUS0326778  
GENERAL INFORMATION:  
APPLICANT: PRIOR, Christopher P.  
APPLICANT: SADEGHI, Homayoun  
APPLICANT: TURNER, Andrew J.  
TITLE OF INVENTION: ORAL DELIVERY OF MODIFIED TRANSFERRIN FUSION PROTEINS  
FILE REFERENCE: 54710-5006-WO  
CURRENT APPLICATION NUMBER: PCT/US03/26778  
CURRENT FILING DATE: 2003-08-28  
PRIOR APPLICATION NUMBER: US 60/406,977  
PRIOR FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: US 10/378,094  
PRIOR FILING DATE: 2003-03-04  
PRIOR APPLICATION NUMBER: US 60/460,829  
PRIOR FILING DATE: 2003-04-08  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: Patent in version 3.2  
SEQ ID NO 7  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial sequence  
FEATURE:  
OTHER INFORMATION: GLP-1 molecule having insulinotropic activity  
PCT-US03-26778-7  
Query Match 100.0%; Score 139; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.4e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
RESULT 7  
PCT-US03-26818-7  
Sequence 7, Application PC/TUS0326818  
GENERAL INFORMATION:  
APPLICANT: PRIOR, Christopher P.  
APPLICANT: LAI, Char-Ruei  
APPLICANT: SADEGHI, Homayoun  
APPLICANT: TURNER, Andrew J.  
TITLE OF INVENTION: MODIFIED TRANSFERRIN FUSION PROTEINS  
FILE REFERENCE: 54710-5001-01-WO  
CURRENT APPLICATION NUMBER: PCT/US03/26818  
CURRENT FILING DATE: 2003-08-28  
PRIOR APPLICATION NUMBER: US 60/406,977  
PRIOR FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: US 10/378,094  
PRIOR FILING DATE: 2003-03-04



APPLICANT: Manning, Shane  
APPLICANT: De La Motta, Rebecca  
APPLICANT: Holmquist, Barton  
APPLICANT: Wagner, Fred  
TITLE OF INVENTION: PRODUCTION OF PEPTIDE USING RECOMBINANT  
TITLE OF INVENTION: FUSION PROTEIN CONSTRUCTS  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchants & Gould  
STREET: 3100 Northwest Center, 90 S. 7th Street  
CITY: Minneapolis  
STATE: MN  
COUNTRY: U.S.A.  
ZIP: 55402

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/350,530A  
FILING DATE: 07-DEC-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Carter, Charles G  
REGISTRATION NUMBER: 35,093  
REFERENCE/DOCKET NUMBER: 8648.45US01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612/332-5300  
TELEFAX: 612/332-9081  
TELEX:

INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
US-08-350-530A-21

Query Match 100.0%; Score 139; DB 7; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.4e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

RESULT 11  
US-08-356-231-5  
Sequence 5, Application US/08356231  
GENERAL INFORMATION:  
APPLICANT: Andrews, Glenn C.  
APPLICANT: Daumy, Gaston O.  
APPLICANT: Francoeur, Michael L.  
APPLICANT: Larson, Eric R.  
APPLICANT: Pfizer Inc. (Non-US)  
TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE AND INSULINOTROPIN  
TITLE OF INVENTION: DERIVATIVES  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gregg C. Benson, Pfizer Inc  
STREET: Eastern Point Road  
CITY: Groton  
STATE: CT

COUNTRY: USA  
ZIP: 06340  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/356,231  
FILING DATE:

CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/899,073  
FILING DATE: 15-JUN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Gregg C.  
REGISTRATION NUMBER: 30,997  
REFERENCE/DOCKET NUMBER: PC8156AGCB  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (203) 441-4901  
TELEFAX: (203) 441-5221  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-356-231-5

Query Match 100.0%; Score 139; DB 7; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.4e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

RESULT 12  
US-08-520-485-4  
Sequence 4, Application US/08520485  
GENERAL INFORMATION:  
APPLICANT: Wagner, Fred W.  
APPLICANT: Stout, Jay  
APPLICANT: Henriksen, Dennis  
APPLICANT: Partridge, Bruce  
APPLICANT: Manning, Shane  
TITLE OF INVENTION: Enzymatic Method for Modification of  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchants & Gould  
STREET: 3100 Northwest Center  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/520,485  
FILING DATE: 29-AUG-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Carter, Charles G.  
REGISTRATION NUMBER: 35,093  
REFERENCE/DOCKET NUMBER: 8648.32-US01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 4:



SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
IMMEDIATE SOURCE:  
CLONE: GLP1 (7-34)  
US-08-520-485-4

Query Match 100.0%; Score 139; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.4e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

## RESULT 13

US-08-860-103-1  
Sequence 1, Application US/08860103

GENERAL INFORMATION:  
APPLICANT: Jensen, Ejvind  
TITLE OF INVENTION: Protracted GLP-1  
TITLE OF INVENTION: Protracted GLP-1  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Novo Nordisk of North America, Inc.  
STREET: 405 Lexington Avenue - 64ht Fl.  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10017

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
FILING DATE: 17-JUN-1997  
CLASSIFICATION: 514

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/DK95/00516  
FILING DATE: 21-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4343.204-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-878-9652  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-860-103-1

Query Match 100.0%; Score 139; DB 12; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.4e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

## RESULT 14

US-08-860-103A-1  
Sequence 1, Application US/08860103A

GENERAL INFORMATION:  
APPLICANT: Jensen, Ejvind  
TITLE OF INVENTION: Protracted GLP-1  
TITLE OF INVENTION: Protracted GLP-1  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Novo Nordisk of North America, Inc.  
STREET: 405 Lexington Avenue - 64ht Fl.  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10017

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
FILING DATE: 17-JUN-1997  
CLASSIFICATION: 514

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/DK95/00516  
FILING DATE: 21-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Rozek, Carol E.  
REGISTRATION NUMBER: 36,993  
REFERENCE/DOCKET NUMBER: 4343.204-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-878-9652  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-860-103A-1

Query Match 100.0%; Score 139; DB 12; Length 28;  
Best Local Similarity 100.0%; Pred. No. 7.4e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27

## RESULT 15

US-09-068-822-2  
Sequence 2, Application US/09068822

GENERAL INFORMATION:  
APPLICANT: Jonassen, Ib  
APPLICANT: Havelund, Svend  
APPLICANT: Hansen, Per Hertz  
APPLICANT: Kurtzhals, Peter  
APPLICANT: Halstrom, John Broberg  
TITLE OF INVENTION: Lipophilic Peptide Hormone Derivatives  
FILE REFERENCE: 4409.204-US  
CURRENT APPLICATION NUMBER: US/09/068,822  
CURRENT FILING DATE: 1998-05-14  
PRIOR APPLICATION NUMBER: PCT/DK96/00106  
PRIOR FILING DATE: 1996-03-18  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 28  
TYPE: PPT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Variation  
US-09-068-822-2

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Query Match      100.0%; Score 139; DB 14; Length 38;
Best Local Similarity 100.0%; Pred. No. 7.4e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGFTSDVSSYLEGQAAKEFTIAWLV 27
      |||||
DB 1 HAEGFTSDVSSYLEGQAAKEFTIAWLV 27
      |||||

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Search completed: July 3, 2004, 00:46:15  
Job time : 174.068 secs

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OM protein - protein search, using sw model

Run on: July 3, 2004, 00:25:27 ; Search time 12.7453 Seconds  
(without alignments)  
105.442 Million cell updates/sec

Title: US-09-943-084-7  
Perfect score: 139  
Sequence: 1 HAEGETFTSDVSSYLEGQAQKEFTIAVLV 27

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 327902 seqs, 49773865 residues

Total number of hits satisfying chosen parameters: 327902

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents AA Nev.\*  
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3: /cgm2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep.\*  
4: /cgm2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep.\*  
5: /cgm2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep.\*  
6: /cgm2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep.\*  
7: /cgm2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID                 | Description       |
|------------|-------|-------------|--------|--------------------|-------------------|
| 1          | 139   | 100.0       | 28     | US-10-716-326-23   | Sequence 23, Appl |
| 2          | 139   | 100.0       | 28     | US-10-811-646-3    | Sequence 3, Appl  |
| 3          | 139   | 100.0       | 28     | US-10-715-976-23   | Sequence 23, Appl |
| 4          | 139   | 100.0       | 28     | US-60-549-567-7    | Sequence 7, Appl  |
| 5          | 139   | 100.0       | 29     | US-10-716-326-24   | Sequence 24, Appl |
| 6          | 139   | 100.0       | 29     | US-10-715-976-24   | Sequence 24, Appl |
| 7          | 139   | 100.0       | 29     | US-60-549-567-8    | Sequence 8, Appl  |
| 8          | 139   | 100.0       | 30     | PCT-US04-04421-775 | Sequence 775, App |
| 9          | 139   | 100.0       | 30     | PCT-US04-06082-2   | Sequence 2, Appl  |
| 10         | 139   | 100.0       | 30     | US-09-716-166-14   | Sequence 14, Appl |
| 11         | 139   | 100.0       | 30     | US-03-635-679B-4   | Sequence 4, Appl  |
| 12         | 139   | 100.0       | 30     | US-10-485-140-1    | Sequence 1, Appl  |
| 13         | 139   | 100.0       | 30     | US-20-485-140-4    | Sequence 4, Appl  |
| 14         | 139   | 100.0       | 30     | US-10-291-226A-114 | Sequence 114, App |
| 15         | 139   | 100.0       | 30     | US-10-783-080-1    | Sequence 1, Appl  |
| 16         | 139   | 100.0       | 30     | US-10-488-341-4    | Sequence 4, Appl  |
| 17         | 139   | 100.0       | 30     | US-10-716-326-25   | Sequence 25, Appl |
| 18         | 139   | 100.0       | 30     | US-10-811-646-5    | Sequence 5, Appl  |
| 19         | 139   | 100.0       | 30     | US-10-715-976-25   | Sequence 25, Appl |
| 20         | 139   | 100.0       | 30     | US-10-741-534-1    | Sequence 1, Appl  |
| 21         | 139   | 100.0       | 30     | US-60-549-567-48   | Sequence 48, Appl |
| 22         | 139   | 100.0       | 31     | PCT-US04-04421-776 | Sequence 776, App |
| 23         | 139   | 100.0       | 31     | PCT-US04-06462-32  | Sequence 32, Appl |
| 24         | 139   | 100.0       | 31     | PCT-US04-06462-91  | Sequence 91, Appl |
| 25         | 139   | 100.0       | 31     | PCT-US04-06462-94  | Sequence 94, Appl |
| 26         | 139   | 100.0       | 31     | PCT-US04-06082-1   | Sequence 1, Appl  |

ALIGNMENTS

RESULT 1  
US-10-716-326-23  
; Sequence 23, Application US/10716326

; GENERAL INFORMATION:

; APPLICANT: Genzyme Corporation

; APPLICANT: Wadsworth, Samuel

; APPLICANT: Armentano, Donna

; APPLICANT: Gregory, Richard J.

; APPLICANT: Parsons, Geoffrey

; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders

; FILE REFERENCE: 5062CIP

; CURRENT APPLICATION NUMBER: US/10716,326

; CURRENT FILING DATE: 2003-11-17

; PRIOR FILING DATE: 2002-08-07

; PRIOR APPLICATION NUMBER: US 60/310,982

; PRIOR FILING DATE: 2001-08-08

; NUMBER OF SEQ ID NOS: 54

; SOFTWARE: Patent in version 3.2

; SEQ ID NO 23

; LENGTH: 28

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)

US-10-716-326-23

Query Match 100.0%; Score 139; DB 6; Length 28;

Best Local Similarity 100.0%; Pred No. 4,5e-12;

Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGETFTSDVSSYLEGQAQKEFTIAVLV 27

Db 1 HAEGETFTSDVSSYLEGQAQKEFTIAVLV 27

RESULT 2

US-10-811-646-3

; Sequence 3, Application US/10811646

; GENERAL INFORMATION:

; APPLICANT: Efficidic, Suad

; TITLE OF INVENTION: USE OF GLP-1 OR ANALOGS IN TREATMENT OF MYOCARDIAL INFARCTION

; FILE REFERENCE: X-10822A

; CURRENT APPLICATION NUMBER: US/10/811,646

; CURRENT FILING DATE: 2004-03-29

; PRIOR APPLICATION NUMBER: US 60/024,980

; PRIOR FILING DATE: 1996-08-30

; PRIOR APPLICATION NUMBER: US 08/915,918

; PRIOR FILING DATE: 1997-08-21

```
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 3
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic construct
; NAME/KEY: VARIANT
; LOCATION: {28}..(28)
; OTHER INFORMATION: Xaa at position 28 is Lys and Lys-Gly
US-10-811-646-3

Query Match      100.0%; Score 139; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27
   |||||
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27

RESULT 3
US-10-715-976-23
; Sequence 23, Application US/10715976
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Wadsworth, Samuel
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Parsons, Geoffrey
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
; FILE REFERENCE: 5121
; CURRENT APPLICATION NUMBER: US/10/715,976
; CURRENT FILING DATE: 2003-11-17
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 23
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-34)
US-10-715-976-23

Query Match      100.0%; Score 139; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27
   |||||
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27

RESULT 4
US-60-549-567-7
; Sequence 7, Application US/60549567
; GENERAL INFORMATION:
; APPLICANT: SADEGHI, Homayoun
; APPLICANT: TURNER, Andrew J.
; APPLICANT: Ballance, David J.
; TITLE OF INVENTION: MODIFIED TRANSFERRIN FUSION PROTEINS
; FILE REFERENCE: 54710-5011-PR
; CURRENT APPLICATION NUMBER: US/60/549,567
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: US 60/315,745
; PRIOR FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: US 60/334,059
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 10/231,494
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: US 60/406,977

; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 3
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic construct
; NAME/KEY: VARIANT
; LOCATION: {28}..(28)
; OTHER INFORMATION: Xaa at position 28 is Lys and Lys-Gly
US-10-811-646-3

Query Match      100.0%; Score 139; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27
   |||||
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27

RESULT 5
US-10-716-326-24
; Sequence 24, Application US/10716326
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Wadsworth, Samuel
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Parsons, Geoffrey
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
; FILE REFERENCE: 5062CIP
; CURRENT APPLICATION NUMBER: US/10/716,326
; CURRENT FILING DATE: 2003-11-17
; PRIOR APPLICATION NUMBER: US 10/215,272
; PRIOR FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: US 60/310,982
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 24
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-35)
US-10-716-326-24

Query Match      100.0%; Score 139; DB 6; Length 29;
Best Local Similarity 100.0%; Pred. No. 4.6e-12;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27
   |||||
Db 1 HAEGTFTSDVSSYLEGQAAKEFIAPLV 27

RESULT 6
US-10-715-976-24
; Sequence 24, Application US/10715976
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Wadsworth, Samuel
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Parsons, Geoffrey
; TITLE OF INVENTION: Methods of Treating Diabetes and Other Blood Sugar Disorders
; FILE REFERENCE: 5121
; CURRENT APPLICATION NUMBER: US/10/715,976
; CURRENT FILING DATE: 2003-11-17
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.2
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; SEQ ID NO 24  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Modified GLP-1 molecule; GLP-1 (7-35)  
US-10-715-976-24

Query Match 100.0%; Score 139; DB 6; Length 29;  
Best Local Similarity 100.0%; Pred. No. 4.6e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27

## RESULT 7

US-60-549-567-8  
; Sequence 8, Application US/60549567  
; GENERAL INFORMATION:  
; APPLICANT: SADEGHI, Homayoun  
; APPLICANT: TURNER, Andrew J.  
; APPLICANT: Ballance, David J.  
; TITLE OF INVENTION: MODIFIED TRANSFERRIN FUSION PROTEINS  
; FILE REFERENCE: 54710-5011-PR  
; CURRENT APPLICATION NUMBER: US/60/549,567  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: US 60/315,745  
; PRIOR FILING DATE: 2001-08-30  
; PRIOR APPLICATION NUMBER: US 60/334,059  
; PRIOR FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: US 10/231,494  
; PRIOR FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: US 60/406,977  
; PRIOR FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: PCT/US03/26818  
; PRIOR FILING DATE: 2003-08-28  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 8  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: GLP-1 molecule having insulinotropic activity  
US-60-549-567-8

Query Match 100.0%; Score 139; DB 7; Length 29;  
Best Local Similarity 100.0%; Pred. No. 4.6e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27

## RESULT 8

PCT-US04-04421-775  
; Sequence 775, Application PC/TUS0404421  
; GENERAL INFORMATION:  
; APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
; APPLICANT: SCIENTIFIQUES, S.A.S  
; APPLICANT: DONG, ZHENG ZIN  
; TITLE OF INVENTION: ANALOGUES OF GLP-1  
; FILE REFERENCE: 129P-PCT2  
; CURRENT APPLICATION NUMBER: PCT/US04/04421  
; CURRENT FILING DATE: 2004-02-17  
; NUMBER OF SEQ ID NOS: 781  
; PRIOR APPLICATION NUMBER: 60/449,203  
; PRIOR FILING DATE: 2003-02-19  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 775

; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Illustrative hGLP-1(7-36)  
; FEATURE:  
; OTHER INFORMATION: c-term may or may not be amidated  
PCT-US04-04421-775

Query Match 100.0%; Score 139; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27

## RESULT 9

PCT-US04-06082-2  
; Sequence 2, Application PC/TUS0406082  
; GENERAL INFORMATION:  
; APPLICANT: Eli Lilly and Company  
; TITLE OF INVENTION: Polyethylene Glycol Linked GLP-1 Compounds  
; FILE REFERENCE: X-16020  
; CURRENT APPLICATION NUMBER: PCT/US04/06082  
; CURRENT FILING DATE: 2004-03-23  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 2  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US04-06082-2

Query Match 100.0%; Score 139; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27  
|||  
DB 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27

## RESULT 10

US-09-716-166-14  
; Sequence 14, Application US/09716166  
; GENERAL INFORMATION:  
; APPLICANT: Treco, Douglas A.  
; APPLICANT: Concino, Michael F.  
; APPLICANT: Dugway, Stephen J.  
; TITLE OF INVENTION: NUCLEIC ACID CONSTRUCT FOR OPTIMIZED  
; FILE REFERENCE: 10278-014001  
; CURRENT APPLICATION NUMBER: US/09/716,166  
; CURRENT FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 60/166,508  
; PRIOR FILING DATE: 1999-11-19  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PastSeq for Windows Version 4.0  
; SEQ ID NO 14  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetically generated polypeptide  
US-09-716-166-14

Query Match 100.0%; Score 139; DB 5; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGTFTSDVSSYLEGQAAKEFIAWLV 27

Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

## RESULT 11

US-09-635-679E-4  
; Sequence 4, Application US/09635679E  
; GENERAL INFORMATION:  
; APPLICANT: Habener, Joel  
; TITLE OF INVENTION: Insulinotropic Hormone and Uses Thereof  
; FILE REFERENCE: 0609.1090909  
; CURRENT APPLICATION NUMBER: US/09/635,679E  
; CURRENT FILING DATE: 2000-08-10  
; PRIOR APPLICATION NUMBER: 09/090,949  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 08/749,762  
; PRIOR FILING DATE: 1996-11-20  
; PRIOR APPLICATION NUMBER: 08/156,800  
; PRIOR FILING DATE: 1993-11-23  
; PRIOR APPLICATION NUMBER: 07/756,215  
; PRIOR FILING DATE: 1991-09-05  
; PRIOR APPLICATION NUMBER: 07/532,111  
; PRIOR FILING DATE: 1990-06-01  
; PRIOR APPLICATION NUMBER: 07/148,517  
; PRIOR FILING DATE: 1988-01-26  
; PRIOR APPLICATION NUMBER: 06/859,928  
; PRIOR FILING DATE: 1986-05-05  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: insulinotropic peptide  
US-09-635-679E-4

Query Match 100.0%; Score 139; DB 5; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

## RESULT 12

US-10-485-140-1  
; Sequence 1, Application US/10485140  
; GENERAL INFORMATION:  
; APPLICANT: The Government of the United States of America, as represented by the  
; APPLICANT: Secretary, Department of Health and Human Services  
; APPLICANT: Greig, Nigel H.  
; APPLICANT: Egan, Josephine  
; APPLICANT: Doyle, Maïre  
; TITLE OF INVENTION: GLP-1, EXENDIN-4, AND PEPTIDE ANALOGS AND USES THEREOF  
; FILE REFERENCE: 14014.0396P1  
; CURRENT APPLICATION NUMBER: US/10/485,140  
; CURRENT FILING DATE: 2004-01-27  
; PRIOR APPLICATION NUMBER: 60/309,076  
; PRIOR FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 4.0  
; SEQ ID NO 1  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Human  
US-10-485-140-1

Query Match 100.0%; Score 139; DB 6; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

## RESULT 13

US-10-485-140-4  
; Sequence 4, Application US/10485140  
; GENERAL INFORMATION:  
; APPLICANT: The Government of the United States of America, as represented by the  
; APPLICANT: Secretary, Department of Health and Human Services  
; APPLICANT: Greig, Nigel H.  
; APPLICANT: Egan, Josephine  
; APPLICANT: Doyle, Maïre  
; TITLE OF INVENTION: GLP-1, EXENDIN-4, AND PEPTIDE ANALOGS AND USES THEREOF  
; FILE REFERENCE: 14014.0396P1  
; CURRENT APPLICATION NUMBER: US/10/485,140  
; CURRENT FILING DATE: 2004-01-27  
; PRIOR APPLICATION NUMBER: 60/309,076  
; PRIOR FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 4.0  
; SEQ ID NO 4  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:/Note =  
; OTHER INFORMATION: Synthetic Construct  
US-10-485-140-4

Query Match 100.0%; Score 139; DB 6; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

## RESULT 14

US-10-291-226A-114  
; Sequence 114, Application US/10291226A  
; GENERAL INFORMATION:  
; APPLICANT: Larsen, Bjarne Due  
; APPLICANT: Mikkelsen, Jens Mollgaard  
; APPLICANT: Neve, Soren  
; TITLE OF INVENTION: NOVEL PEPTIDE AGONISTS OF GLP-1 ACTIVITY  
; FILE REFERENCE: 55511(45487)  
; CURRENT APPLICATION NUMBER: US/10/291,226A  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: US 60/143,591  
; PRIOR FILING DATE: 1999-07-13  
; NUMBER OF SEQ ID NOS: 153  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 114  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: GLP-1(7-36)  
US-10-291-226A-114

Query Match 100.0%; Score 139; DB 6; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

Db 1 HAEGTFTSDVSSYLEGQAAKEFIAMLV 27  
|||||

RESULT 15  
US-10-769-080-1  
; Sequence 1, Application US/10769080  
; GENERAL INFORMATION:  
; APPLICANT: Galloway, John A  
; APPLICANT: Hoffmann, James A  
; TITLE OF INVENTION: Glucagon-Like Insulinotropic Peptides, Compositions and Methods  
; FILE REFERENCE: X-9332G  
; CURRENT APPLICATION NUMBER: US/10/769,080  
; CURRENT FILING DATE: 2004-01-30  
; PRIOR APPLICATION NUMBER: 09/573,809  
; PRIOR FILING DATE: 2000-05-18  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MOD\_RES  
; LOCATION: (30)..(30)  
; OTHER INFORMATION: The arginine residue at position 30 is modified so as to replace  
; OTHER INFORMATION: the terminal carboxyl group with an amine.  
US-10-769-080-1

Query Match 100.0%; Score 139; DB 6; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.8e-12;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HAEGFTSDVSSYLEGQAAKEFIAMLV 27  
DB 1 HAEGFTSDVSSYLEGQAAKEFIAMLV 27

Search completed: July 3, 2004, 00:47:43  
Job time : 12.7453 secs